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BARBADOS

ANNUAL REPORT

OF THE

DIRECTOR OF MEDICAL SERVICES

FOR THE YEAR

1959-60

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BARBADOS

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CONTENTS

			Page
PART	I	Membership of Committees	1
PART	II	Staff	2
PART	III	Legal	6
PART	IV	Vital Statistics	6
PART	V	Health Authorities	7
PART	VI	Report of the Government Chief Public Health Inspector	7
		The Public Health Laboratory – Health Centres – Enmore, Speightstown and Six Cross Roads	10
PART	VII	Institutions and Health Centres	17
		The Barbados General Hospital	17
		The Government Bacteriological and Pathological Laboratory	20
		Medical Records and Statistics	25
		The Mental Hospital	29
		The Maternity Hospital	34
		The Leper Hospital	35
		Health Centre, Speightstown	37
		Health Centre, St. Michael	42
		St. Michael's Chest Clinic	44
		Health Centre, Six Cross Roads	46
		Parochial Almshouses	54
		Nursing Services	54
PART	VIII	General and Communicable Diseases	54
PART	IX	Quarantine	55
PART	X	General Sanitation	55
PART	XI	Food Supplies and Nutrition	55
PART	XII	School Nutrition Programme	56
PART	XIII	School Health Services	56
PART	XIV	Health Education	56
PART	XV	W.H.O. Personnel	56
PART	XVI	Conferences	56
PART	XVII	Finance	57
PART	XVIII	Conclusion	57

ANNUAL REPORT OF THE DIRECTOR OF MEDICAL SERVICES FOR THE YEAR 1959 – 60

Part I. MEMBERSHIP OF COMMITTEES

General Board of Health

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Alderman Hon. F. McD. Symmonds, M.L.C.
Councillor O. T. Allder,
Councillor G. S. Stoute
Councillor B. Cole
Councillor C. B. Searles, M.C.P.
Councillor G. E. S. Straughn, M.C.P.
Councillor J. W. Corbin, M.C.P.
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Executive Engineer, Department of Highways & Transport.
Dr. F. N. Grannum, M.B.E., Acting Senior Medical Officer of Health
W. A. Abrahams, Esq., Government Chief Public Health Inspector
P. H. M. Stevens, Esq., Town and Country Planning Officer
Advisers attending by invitation
D. T. Daniel, Esq., – *Clerk.*

General Hospital Advisory Committee

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Mrs. J. A. Martineau
Mrs. E. E. Bourne, M.C.P.
Councillor O. T. Allder
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Visiting Committee – Mental Hospital

The Hon. Dr. C. H. St.John, M.L.C. – *Chairman*
The Hon. M. D. Symmonds, M.L.C.
Dr. J. Baeza, M.B. Ch.B.
T. W. Miller, Esq. M.C.P.
Mrs. W. A. Redhead
H. Waite Esq.
Dr. R. M. Lloyd-Still *(ex officio)*
V. C. Boyce, Esq., – *Secretary.*

Visiting Committee of the Lazaretto

Dr. M. A. Byer, O.B.E., Director of Medical Services – *Chairman*
Dr. F. N. Grannum, M.B.E., Senior Medical Officer of Health (Acting)
The Rev. K. S. Hassell *(Chaplain)*
C. B. Allamby, Esq.
Miss Eunice Gibson
Mrs. F. A. Bishop, M.B.E.
Mrs. W. Terajewicz
Mrs. W. A. Redhead
Sister May Teresa, C.J.G.S.
C. E. Edwards, Esq., Superintendent – *Secretary.*

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Dr. M. A. Byer, O.B.E., Director of Medical Services – *Chairman*
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Miss I. Stuart, Principal Sister Tutor, General Hospital
Mrs. E. Chandler
Dr. F. N. Grannum, M.B.E., Acting Senior Medical Officer of Health
Dr. A. L. Stuart
Dr. C. B. Vaughan
Mrs. M. Stuart – *Secretary*

BOARD OF MEDICAL ASSESSORS

Dr. M. A. Byer, O.B.E. – *Chairman*
The Hon. Dr. C. H. St.John, M.L.C.
The Hon. Dr. H. G. Massiah, M.L.C.
Dr. C. B. Vaughan

BOARD OF DENTAL ASSESSORS

Dr. M. A. Byer, O.B.E. – *Chairman*
The Hon. Dr. H. G. Massiah, M.L.C.
Dr. L. K. Nicholls
Dr. E. W. Storey

PUBLIC HEALTH ADVISORY COMMITTEE

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E. St.A. Holder, M.C.P.
Councillor K. Forde
Councillor V. W. A. Chase
Miss A. Walters
Dr. M. A. Byer, O.B.E., Director of Medical Services *(ex officio)*

Part II. STAFF

2. Whole-time members as at 31st March, 1960:

Director of Medical Services
M. A. Byer, O.B.E., M.B., Ch.B. (Edin.) D.P.H. (Harvard)

Senior Medical Officer of Health (Acting)
F. N. Grannum, M.B.E., M.B., Ch.B. (Edin.), D.T.M. & H. (Eng.) M.P.H. (Harvard)

Health Officer (Port)
F. N. Grannum, M.B.E., M.B., Ch.B. (Edin.) D.T.M. & H. (Eng.) M.P.H. (Harvard)

Supervisor, Public Health Nurses
Miss A. Walters

Chief Public Health Inspector
W. A. Abrahams, Esq., M.R.S.H.

Assistant to Chief Public Health Inspector
S. J. Sealy, Esq., A.R.S.H.

Office Superintendent
T. F. King, Esq., B.A. (Durham)

Clerical – 9
Technical – 11
Nursing – 2
Other – 3

BARBADOS GENERAL HOSPITAL

Medical Superintendent
A. D. Sinclair, M.B., Ch.B., D.A., F.F.A.R.C.S.

Surgeon Specialist
A. G. Leacock, Esq., M.B., Chir., M.Chir. (U. Camb.) F.R.C.S. (Eng.)

Specialist Physician
H. McD. Forde, M.R.C.S. (Eng.), L.R.C.P. (Lond.), M.B., B.S. (Lond.) M.D. (Lond.), D.P.H. (Eng.), M.R.C.P. (Edin.), D.T.M. & H. (Eng.)

Specialist Radiologist
Edith Smith, M.B., B.S., (U. Punjab), D.M.R.E. (Camb.)

Anaesthetists
B. S. Skinner, M.R.C.S. (Eng.), L.R.C.P. (Lond.) F.A.C.A.
R. V. Steward, M.B., B.S., D.A., R.C.P. & R.C.S. (Eng.)

Medical Registrar
A. C. Graham, M.R.C.S. (Eng.), L.R.C.P. (Lond.), M.D., B.S., (U. Lond.)

Surgical Registrar
H. V. Morris, L.M.S. (Nfld.), M.Bd., M.D.C.M., L.M.C.C.

Ophthalmic Surgeon
H. N. St. John, F.R.C.S. (Ed.) D.L.O.

Medical Officers Grade ''A''
M. M. Lewis, M.B. , B.S.
R. K. Rowley, M.B., Ch.B. (U. Birmingham)

Medical Officers Grade "B"
G. B. Cummins, M.B., B.S.
C. W. Greenidge, M.B., B.S.
D. McC. Barr, M.B., Ch.M.
G. A. O. Alleyne, M.B., B.S. (U. Lond.)
(1 vacant)

House Officer
P. M. Johnson, M.B., B.S. (Lond.)
(1 vacant)

Steward and Secretary
W. C. Goodman, Esq., M.B.E.

Matron
Miss E. K. Walters

Assistant Matron
Miss E. M. Skinner

Principal Sister Tutor
Miss I. Stuart

Sister Tutor
(vacant)

Departmental Sisters
Miss B. St. Hill
Miss A. F. L. Mayers
Miss C. Blackman
Miss C. Estwick
Miss E. Husbands

Physiotherapist
Miss D. I. Traynor, M.C.S.P.

Radiographers
Miss N. M. Forde
Miss J. Y. Jones

Clerical – 17
Nursing – 269
Technical – 15
Other – 260

MENTAL HOSPITAL

Medical Superintendent
Lt. Col. R. M. Lloyd-Still, M.R.C.S. (Eng.), L.R.C.P. (Lond.).

Assistant Medical Superintendents
W. Terajewicz, M.D. (U. Cracow)
R. A. J. Webb, L.R.C.P., M.R.C.S., M.B., B.S.

Matron
Miss M. S. Maloney (Acting)

Tutor
D. Nugent, Esq.

Head Male Nurse
A. E. Lewis, Esq.

Steward
V. Boyce, Esq.

Clerical – 3
Nursing – 111
Technical – 0
Other – 39

LAZARETTO

Superintendent
C. E. Edwards, Esq.

Visiting Physician
T. Blades, M.R.C.S. (Eng.) L.R.C.P. (Lond.)

Other – 17

BACTERIOLOGICAL AND PATHOLOGICAL LABORATORY

Bacteriologist and Pathologist
J. E. Walcott, M.B., Ch.B., (U. Glasgow), D.T.M. & H. (Eng.)

Assistant Bacteriologist and Pathologist
Mary Bools, M.D., Ch.B., B.A.O. (N.U. Irel.)

Clerical – 1
Technical – 5
Other – 2

HEALTH CENTRES

Enmore

Medical Officer of Health
E. Cochrane, M.B., Ch.B. (U. Glasgow), D.P.H. (Lond.)

Laboratory Supervisor
V. A. A. Archer, B. Sc. (McGill), M. Sc. (Toronto), F.C.I.C.

Senior Public Health Nurse
Miss B. Payne

Radiographer
Mrs. S. R. St.John

Clerical – 4
Nursing – 6
Technical – 3
Other – 7

St. Philip

Medical Officer of Health
K. L. Standard, M.B., B.S., M.P.H.

Senior Public Health Nurse
Miss M. Barrett

Clerical – 1
Nursing – 4
Technical – 1
Other – 2

Speightstown

Medical Officer of Health
C. G. Terrell, O.B.E., M.B., Ch.B., U. Edin.

Senior Public Health Nurse
Miss M. Mayers

Clerical – 1
Nursing – 3
Technical – 1
Other – 3

Maternity Hospital

Matron
Miss L. V. Fearon

Clerical – 1
Nursing – 13
Other – 23

3. Part-time members as at 31st March, 1960:

Assistant Health Officer (Port)
D. O. S. Payne, L.R.C.P. (Edin.), L.R.C.S. (Edin.), L.R.F.P.S. (Glas.)

School Dentists
Dr. F. M. O. Alleyne
Dr. J. A. Smith, D.D.S.

BARBADOS GENERAL HOSPITAL

Visiting Surgeons
Dr. A. L. Stuart
Dr. H. L. Massiah
Hon. Dr. A. S. Cato, M.L.C.

Assistant Visiting Surgeons
Dr. G. S. Emtage
(2 vacant)

Ophthalmic Surgeon
Hon. C. H. St.John, M.L.C., M.B., B.S. (U. Lond.), M.R.C.S., L.R.C.P., D.O.M.S., R.C.P.S. (Eng.)

Assistant Ophthalmic Surgeon
A. A. Gibbons, M.B., Ch.B. (U. Edin.), D.O.M.S., R.C.P.S. (Eng.), D.T.M. (L'pool)

Ear, Nose and Throat Surgeon
A. O. W. F. Trieloff, M.D., L.M.C.C.

Assistant Ear, Nose and Throat Surgeon
F. G. Reader, M.R.C.S. (Eng.), L.R.C.P. (Lond.)

Dental Surgeon
E. W. Storey, D.D.S.

MATERNITY HOSPITAL

Visiting Obstetrician
F. G. Reader, M.R.C.S. (Eng.), L.R.C.P. (Lond.)

Tuberculosis Officer
D. O. S. Payne, L.R.C.P. (Edin.), L.R.C.S. (Edin.), L.R.F.P.S. (Glas.)

Part III. LEGAL

The appointment of the members of the Public Health Advisory Committee, as required in the Public Health Act 1954, made it possible for the Director to make a start with the preparation of the Bye-laws required under the various sections of the Act.

A small professional Sub-Committee reviewed all of the available bye-laws from the neighbouring territories and having compared them with the existing public health legislation, prepared draft bye-laws which were considered by the Public Health Advisory Committee and forwarded to the three Councils for necessary action.

Recommendations for the appointment of three Chief Public Health Inspectors to be nominated for the Councils have been submitted, but no appointments were made during the year.

Part IV. VITAL STATISTICS

Forty-four thousand, five hundred and forty-nine (44,549) persons left the island as compared with 43,510 persons entering the territory, thus producing a net decrease in population of 1,039 for emigration and immigration.

On the other hand the natural increase, i.e. the difference between births and deaths, was 5,026, the second highest figure recorded during the past ten years. The largest natural increase occurred in 1954 when the figure was 5,032.

A slight decrease in the Birth rate is again recorded. A rate of 29.77 per 1000 of population is the lowest figure for the past ten years.

The crude death rate 8.73 per 1000 of population was also the lowest figure in the last ten years. The highest figure during that period was 14.68 recorded in 1952.

The Infant Mortality Rate which is regarded as the most sensitive of the vital statistical indices available to us, is also the most encouraging figure in this section. A rate of 71 deaths per 1000 live births is the lowest ever recorded in Barbados and contrast sharply with 146 the rate recorded for 1952 which was the highest rate in the last ten years.

The Maternal Mortality Rate i.e. the number of maternal deaths per 1000 live births, was 2.25.

The main vital statistical data for the year ending 31st December, 1959 are as follows:

Estimated end of year population ..	240,799
Estimated mean population	238,806
Births registered	7,110
Birth rate per 1,000 of the population	29.77
Deaths registered	2,084
Death Rate per 1,000 of the population	8.73
Infant Mortality Rate	71
Maternal Mortality per 1,000 live births	2.25
Still birth rate per 100 live births ..	1.94

The following table gives a comparison of the rates with those recorded in neighbouring territories:

Rate	Barbados	Trinidad	Jamaica	British Guiana
Births per 1,000 population	29.80	37.4	40.94	42.0
Deaths per 1,000 population	8.73	9.1	10.55	9.5
Infant Mortality per 1,000 live births	71	62.1	67.79	57.2

Vital statistical data over the ten year period 1950–59:

Year	Natural Increase population	Birth Rates	Crude Death Rates	Infant Mortality Rate	Maternal Mortality Rate
1950 ..	3,744	30.74	12.85	125	3.17
1951 ..	3,793	31.83	14.06	136	5.01
1952 ..	4,105	33.59	14.68	146	3.08
1953 ..	4,307	33.05	13.36	139	3.49
1954 ..	5,032	33.63	11.29	109	2.71
1955 ..	4,706	33.14	12.60	134	2.59
1956 ..	4,652	30.88	10.59	97	3.39
1957 ..	4,845	31.69	10.69	87	2.19
1958 ..	4,817	30.34	9.80	82	2.95
1959 ..	5,026	29.77	8.73	71	2.25

The population on the 31st December, 1959, was computed as follows:

Estimated population 31st December, 1958	236,812
Excess of births over deaths	5,026
	241,838
Less excess of Emigration over Immigration	1,039
Population at 31st December, 1959	240,799

	Males	Females	Persons
Immigration	24,862	18,648	43,510
Emigration	25,336	19,213	44,549
Arrivals by air	–	–	36,992
Departures by air	–	–	36,729

Tables showing the causes of Death in each parish in age-groups are printed in the Appendices.

Part V. HEALTH AUTHORITIES

The eleven Boards of Commissioners of Health have now given place to the three Local Government Councils, each of which has appointed a Public Health Committee which is responsible for carrying out the duties of local health authorities.

This is a very major change which requires a considerable degree of reorganisation in the administration of the old parochial system. The change over however has been accomplished with a considerable degree of good will and cooperation from all sections of staff.

Part VI. REPORT OF THE GOVERNMENT CHIEF PUBLIC HEALTH INSPECTOR

W. A. Abrahams, Esq.

The following report for the period 1st April, 1959, to 31st March, 1960, is submitted:

AEDES AEGYPTI ERADICATION PROGRAMME

The final quarter of the preceding year found the programme showing every sign of progress. A shortage of D.D.T. occurring at a vital period gave cause for some concern as the number of positive findings in the City of Bridgetown Area gave a sudden rise. "Closed houses" again became a problem.

Apart from the number of premises which were occupied normally by persons employed as domestic servants and which could not be inspected during the usual working hours, there were also individuals who, through their non-co-operation, made the work very much harder by deliberately avoiding inspection of their premises and treatment of water containers.

The unit operating in the City of Bridgetown was merged with the Public Health Department of the Bridgetown City Council with a view to redouble our previous efforts to ensure the maximum amount to house coverage.

For a time this new arrangement seemed to have been a satisfactory one but here again other problems presented themselves. Fewer inspections were carried out under the new arrangement and the time taken for coverage of areas was much longer than usual Results have been disappointing so far, but it is hoped that improvements will be effected. The index at the end of the fourth quarter was 1.4% in this area.

In the Northern Area of the island, conditions remain favourable and there has been no cause for alarm. The Southern Area still shows slight infestation in some localities but in all of the affected areas, the incidence is well below 1%. The index for the island at the end of the fourth quarter was .9%.

QUARANTINE AND PORT SANITATION

In the Port Area, routine work of Disinsectisation of ships, residual spraying and Fumigation was carried out during the year.

Five hundred and one (501) schooners, motor vessels and smaller surface craft from the neighbouring West Indian islands berthed in the inner basin of the Careenage. They were boarded in mid-stream and treated with knock-down spray as an anti-mosquito measure.

Residual spraying with technical D.D.T. solution was carried out on sixty-three (63) of these vessels while forty-eight (48) receptacles on seventeen (17) vessels were treated with 75% water dispersible D.D.T.

Fumigation operations were confined to a few ships only as a result of complaints from masters of vessels of the adverse effect this had been having on the newly installed marine engines. Poisoned baits were laid instead aboard the various vessels lying in the port at the time.

Rat Destruction work within the Port Area, and also in its immediate environs, was continued as usual. The use of a new rodenticide – *sodium mono fluoracetate,* employed more extensively than formerly, gave such satisfactory results that trapping was suspended temporarily.

The toxicity of this rodenticide made its use at private homes impracticable and consequently only business places in the Port Area and in City limits benefited to any great extent. Data in connection with the phase of the work are as follows:

Number of rats certified to have been destroyed by poisoned baits	5,507
Number of mice certified to have been destroyed by poisoned baits	539
Number of rats caught in traps	39
Number of poisoned baits laid	65,021

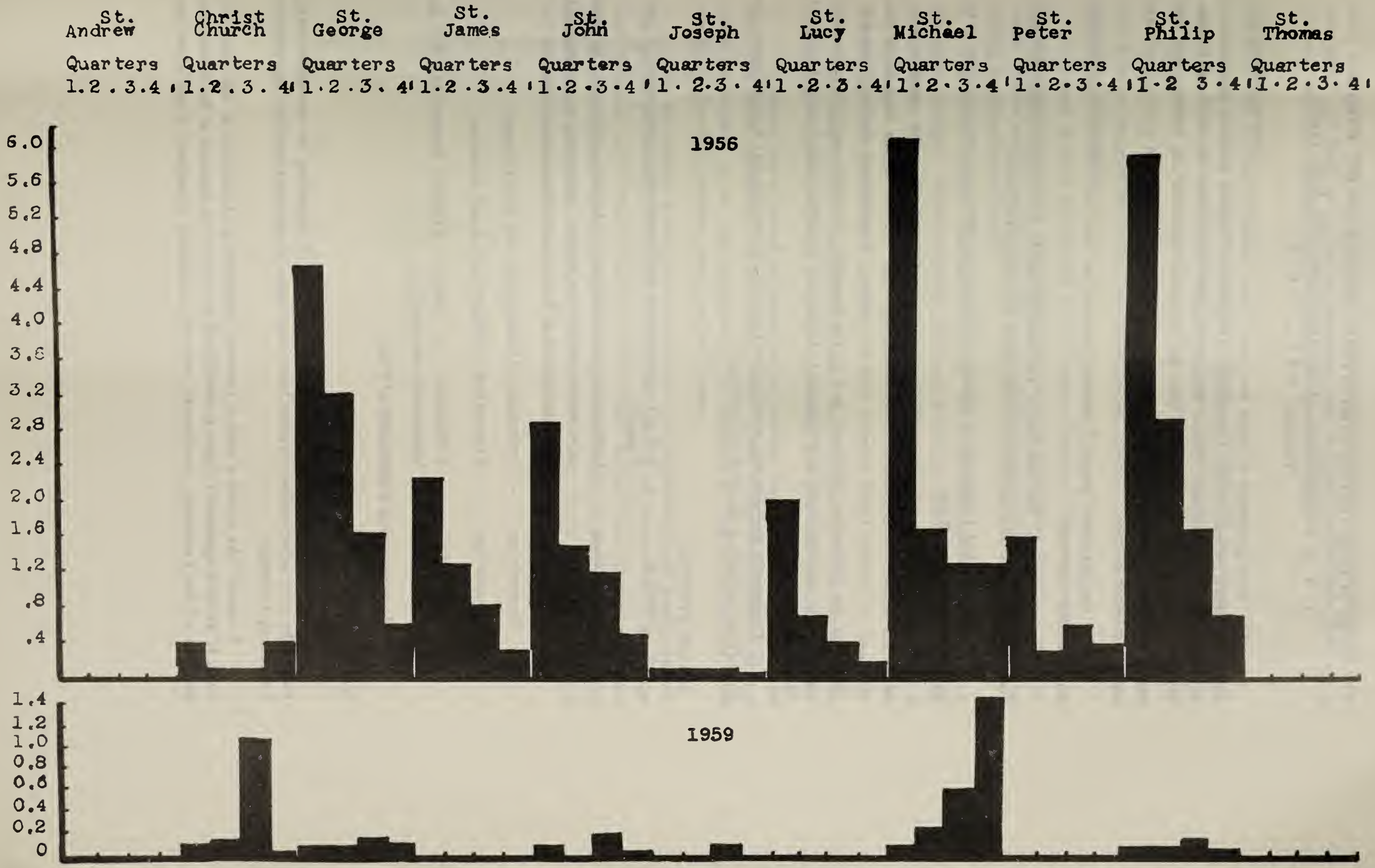
Returns from the Annual Rat Week Campaign are also included in the figures submitted.

MISCELLANEOUS SERVICES

The abatement of nuisances under the Public Health Act engaged the attention of the Department on several occasions during the year.

Technical advice and assistance were tendered wherever necessary.

AEDES AEGYPTI ERADICATION CAMPAIGN 1956 AND 1959



THE PUBLIC HEALTH LABORATORY - HEALTH CENTRE, ENMORE

V. A. A. ARCHER, Esq., B.Sc. (Agric.) (Mc. Gill), M.Sc. (Agric.)
(Toronto) F.R.I.C., F.C.I.C.

The work performed in 1959 was much more extensive than at any other time since the establishment of the Laboratory. The attached figures indicate the extent of expansion in the Laboratory. These figures are impressive after two and a half years work, especially as it is realized that the saturation point is not yet reached. The rapidity of this growth and the problems that it has revealed present a serious challenge regarding future policy.

In Speightstown Branch Laboratory most of the tests performed are on diabetics who attend this Centre.

In Six Roads, the serological and haematological screening of pregnant women for syphilis and for haemoglobin and urine tests are chiefly performed.

In the central Laboratory in Enmore, all tests are performed because most of the equipment is located there.

Other contacts with the community include the V.D.R.L. tests for estate workers. A Senior Nurse, accompanied by a technician, visit estates at the request of the Managers to collect blood samples from the workers. Technicians also pay weekly visits to the Bridgetown Infirmary and to the Maternity Hospital and this Laboratory performs all required tests on Emigrants to the United Kingdom, Canada and the United States of America.

Diagnostic services are provided for Consultants and General Practitioners who are making increasing use of these services.

Services Provided.

1.	*Serology*	– V.D.R.L. (Qualitative and Quantitative), Wasserman, Paul-Bunnell.
2.	*Bacteriology*	– Examination of Smears and Cultures and Sensitivity tests on tubercle bacilli and routine sensitivity tests. Darkfield Examinations, G.C. Smears and Cultures and Swabs.
3.	*Haematology*	– Estimation of Haemoglobin and Blood Counts.
4.	*Parasitology*	– Examination of Smears for ova and parasites.
5.	*Urinalysis*	– Estimation of Sugar, Albumin, Acetone and Bile and Microscopic examinations.
6.	*Bacteriological Examination of Water.*	

Staff.

The problem that still lies ahead of us is that of expanding the technical staff. During the year under review requests have been made for another technician and another Laboratory Attendant.

I should like to add a word of personal appreciation of the work of the technical staff. If we have appeared to have accomplished so much, it is because of the increasing devotion of the Laboratory Assistants and the Laboratory Attendant. They show one great quality and that is to serve the Public Health Laboratory. This enthusiasm however should not blind us to the fact that more must be done to assist them if we are to preserve that high standard which has enriched the community.

Acknowledgements.

Many willing hands have helped to lighten the work and to safeguard the welfare of the Public Health Laboratory in future years. Its atmosphere, work and reputation are the product of their activities and they deserve gratitude for their contribution.

Dr. M. Byer, the Director of Medical Services, has been a real guiding spirit and it is no exaggeration to say that his sustained interest and invaluable assistance have been inestimable.

I come in daily contact with Dr. E. Cochrane, Medical Officer of Health, Enmore. He has always brought his vast experience to bear on the growing variety of tasks on which I have always sought his advice and guidance and which he has always been willing to discuss at all times.

Dr. C. G. Terrell, Medical Officer of Health in Speightstown and Dr. K. L. Standard, Medical Officer of Health, Six Cross Roads, Dr. David Payne, the Tuberculosis Officer, Dr. J. E. Walcott, the Government Bacteriologist and Pathologist have at all times made suggestions for the improvement of the Laboratory and I have always had the benefit of this experience.

Dr. Mary Bools, Assistant Government Bacteriologist and Pathologist, by her skill has given precision to the work of the Laboratory and has made great contribution.

I should like to record our thanks to His Worship, Mayor E. D. Mottley, who not only has given permission for the weekly visits to the Bridgetown Infirmary but has taken an interest in the work performed on the patients of that Institution for whose welfare he has always shown such great solicitude.

To the Nursing Supervisor and the Nurses and Attendants of all Health Centres, the Matron and Nurses of the Maternity Hospital, the Matron and Nurses of the Bridgetown Infirmary, to the Chief Government Public Health Inspector and his staff and to the Office Staff of Enmore Health Centre, I record grateful thanks for their many courtesies and willing co-operation. Lastly, to the Director of Public Works and his Staff and to all others I express gratitude for their unfailing assistance.

TOTAL WORK PERFORMED IN 1959

ENMORE HEALTH CENTRE

Bacteriology:	*Positive*	*Negative*	*Total*
Smears for G.C.	1,009	1,382	2,391
Cultures for G.C.	9	820	829
Direct Smears for T.B.	74	318	392
T.B. Cultures	8	82	90
T.B. Sensitivity	–	–	73
Routine Sensitivity	–	–	95
Other Cultures	–	–	1,105
Concentrated Smears	5	9	14
Darkfield Examinations	8	76	84
Ducrey's Smears	0	22	22
Ducrey's Cultures	0	12	12
Malignant Cells	0	3	3
			5,110

Haematology:	
Haemoglobins	1,296
Erythrocytes, Sedimentation Rate	9
White Blood Counts	37
Red Blood Counts	27
Differentials	23
Sickle Cells	5
Packed Cell Volume	3
Paul-Bunnell	6
Blood Grouping	3
Rh.	3
L. E. Cell	1
TOTAL:	1,413

Parasitology:			
Direct Smears	4	127	131
T. V.	307	505	812
			943

ENMORE HEALTH CENTRE – *(Continued)*

	Total
Urinalysis:	
Sugar	443
Albumin	2,263
Microscopic	60
General	53
Acetone	9
Bile	7
TOTAL:	2,835
Serology:	
V.D.R.L. Qualitative	18,947
V.D.R.L. Quantitative	4,578
Wassermann	1,716
TOTAL:	25,241
Water Examination:	
M. F. Method	738
TOTAL ENMORE HEALTH CENTRE	36,280

ST. PHILIP'S HEALTH CENTRE

	Positive	Negative	Total
Bacteriology:			
Smears for G. C.	1	33	34
Cultures for G. C.	0	32	32
			66
Haematology:			
Haemoglobins			303
Parasitology:	*Positive*	*Negative*	*Total*
Trichomonas Vaginalis	2	16	18
Flotation	0	9	9
			27
Urinalysis:			
Sugar			856
Albumin			856
Acetone			2
			1,714
TOTAL ST. PHILIP'S HEALTH CENTRE			2,110

SPEIGHTSTOWN HEALTH CENTRE

	Positive	Negative	Total
Bacteriology:			
Darkfield Examinations	0	10	10
Urinalysis:			
Sugar			1,306
Albumin			7
Microscopic			2
			1,315
Haematology:			
Haemoglobins			10
Erythrocytes, Sedimentation Rate			6
White Blood Counts			12
Red Blood Counts			11
Differentials			7
			46
TOTAL SPEIGHTSTOWN HEALTH CENTRE			1,371

SEROLOGY – 1959

Result	St. Michael's Health Centre	%	St. Philip's Health Centre	%	Emigration	%	St. Michael's Infirmary	%	Maternity Hospital	%	Speightstown Health Centre	%
Negative	6,634	71.9	2,488	77.3	2,806	91.3	282	80.4	599	84.3	1,745	73.4
Reactive	1,685	18.2	490	15.2	165	5.3	35	9.9	59	8.3	399	16.7
Weakly Reactive	902	9.9	238	7.5	101	3.4	34	9.7	52	7.4	233	9.9
TOTAL	9,221		3,216		3,072		351		710		2,377	

Qualitative	–	18,947
Quantitative	–	4,578
Wassermann	–	1,716
TOTAL:		25,241

TESTS IN ALL HEALTH CENTRES FOR 1959

	Bacteriology	Haematology	Urinalysis	Parasitology	Water	Serology	Total
Enmore Health Centre	5,110	1,413	2,835	943	738	25,241	36,280
St. Phillip's Health Centre	66	303	1,714	27	–	–	2,110
Speightstown Health Centre	10	46	1,315	–	–	–	1,371
TOTAL	5,186	1,762	5,864	970	738	25,241	39,761

Grand Total in all Health Centres for 1959 – 39,761.

Part VII. INSTITUTIONS AND HEALTH CENTRES

THE GENERAL HOSPITAL

Dr. A. D. Sinclair – Medical Superintendent
Mr. W. C. Goodman, M.B.E. – Steward & Secretary

The total accommodation, 449 beds, was increased by four to 453.

Medical Staff

(a) *Senior Staff*

An important and welcome addition was made to the establishment on 16th September of the post of Ophthalmic Specialist, following the retirement on 19th March of the Visiting Ophthalmic Surgeon, the Honourable Dr. C. H. St.John on reaching the age limit. The post was taken on that date by Mr. H. N. St.John, F.R.C.S. (Ed.), D.L.O.

(b) *Junior Staff*

The ever recurrent shortage of residents was again encountered. In June only four of the establishment of eleven posts were filled. An appeal was made to local general practitioners to take on the work of 'emergency casualty officer' from 4 p.m. to 8 a.m. daily. A good response was obtained and the service was maintained until November when the recruitment of one Medical Officer Grade "A", one Grade "B" and one House Officer allowed the emergency measures to be ended.

The position on 31st December, 1959 was thus as follows:

Grade		Registrar	M.O. Grade A & B	House Officer
Establishment	..	2	7	2
Post Filled	..	2	4	1

The junior medical staff structure was examined by the Adviser on Establishment, Organisation and Training.

(c) *Lay Staff*

On 1st April an important milestone was reached when a Medical Records Department commenced work. Miss E. Maxwell, the Medical Records Officer, had received training in 1958 at the University College of the West Indies in Jamaica by Mr. W. C. P. Pakeman, A.H.A. Mr. Pakeman was seconded to Barbados from 9th February, 1959 to 13th April, 1959 to carry out the following assignment:

(a) to examine and report on the present system in use in respect of Medical Records at the General Hospital;

(b) to organise and institute a Medical Records service and to instruct available staff in the procedures and techniques relating thereto;

(c) to make recommendations, after consultation with the Medical Superintendent and the Specialists in charge of the various departments of the Hospital, in respect of the staff required for the proper maintenance of the Medical Records section.

At the end of the year authority had not yet been granted for the full staff recommended by Mr. Pakeman. The department limped along under great difficulties. Despite these the new system of Medical Records, similar to those used in U.C.W.I. was considered a great improvement on the old system – if the latter could be so dignified.

An investigation was carried out by the Adviser on Establishment, Organisation and Training with a view to modernisation of the lay staff structure in the hospital. Special attention was devoted to the following departments:–

Hospital Supplies, drugs, surgical instruments, etc.,
Accounting
Catering.

Nursing Staff

Miss E. K. Walters, Matron, resumed duty on 17th August following her course at the Royal College of Nursing in London.

The nursing staff carried on in a most praiseworthy manner in face of shortages of staff and obsolete working conditions.

The staff position at the end of the year was as follows:

Grade	*Establishment*	*Post Unfilled*
Matron	1	–
Assistant Matron	1	–
Principal Tutor	1	–
Tutor	2	2
Departmental Sister	5	–
Ward Sister	30	14
Staff Nurse	82	21
Student Nurse	135	–
Ward Assistant	20	–

The lapsing salaries of the vacant posts were used to pay temporary full time Staff Nurses and for part time nursing services on a sessional basis.

Recruitment and resignation are represented by the following figures:–

Grade	*Recruited*	*Resigned*
Ward Sister	3	4
Staff Nurse	20	15
Student Nurse	27	25
Ward Assistant	10	1

Two members of the nursing staff died, one staff nurse aged 49 employed on sessional duties and one ward assistant aged 28.

Training of Staff Nurses

In October a schedule of in-service training of one week's duration was instituted for newly qualified Staff Nurses comprising Ward Administration and Ward Teaching of Student Nurses.

Nurses Health

In November accommodation was made available in the Nurses' Home for the establishment of a consulting room and waiting room where nurses could consult their doctor. Dr. Graham, Medical Registrar, accepted the post of medical officer to the nursing staff with alacrity and enthusiasm. The Home Sister provided nursing care at consultations which were held routinely at 8.30 a.m. daily and for emergencies at any time.

The previous system where nurses were seen in the Casualty Department by the Medical Officer on duty was considered quite unsatisfactory in every respect.

Nurses Training School

Two important principles were established during the year:

(1) The General Nursing Council of Barbados permitted the Preliminary examination to be taken in two parts –

  (a) Anatomy, Physiology, Hygiene
  (b) Nursing, First Aid, Psychology

  This schedule should help recruits of limited scholastic ability to pass their examinations.

(2) In addition to the intelligence test carried out by the Department of Education an entrance examination was instituted in an attempt to exclude candidates unlikely to grasp theoretical work.

Two thousand applications for nursing training were received. The great majority of the candidates was considered unsuitable and after screening only 27 students were accepted.

Examination results were somewhat disappointing as the following figures illustrate:

Examination	Entered	Passed
Prelim. (Parts 1 & 2)	32	9
Prelim. (Part 1)	57	12
Prelim. (Part 2)	5	2
Final	30	23

The factors involved viz. theoretical and practical training, standards of setting and marking examinations are being carefully examined in view of the increased number of nurses required to meet future commitments.

Thirty-eight (38) students were recommended for termination of training having repeatedly failed in written examinations. This unfortunate waste of the time of teaching staff and student places should be remedied by the entrance examination.

An interesting experiment was carried out by the Principal Sister Tutor when she addressed senior pupils at a Government school for girls on "Nursing as a Career." Fifteen recruits were obtained as a result. It is apparent that this promising experiment must be followed up. It is hoped that the new hospital will encourage local girls of adequate educational standards to make a career in nursing.

Works

The most important event of the year was undoubtedly the establishment on 23rd July on the Stockton site of the office of the Resident Architect in charge of the construction of the new Barbados General Hospital. Mr. K. J. Tomlin, O.B.E., F.R.I.B.A. the Director of Public Works was seconded to this post, his assistant taking over the position of Acting Director of Public Works.

The new hospital will provide 500 beds and its completion is eagerly awaited by the staff struggling in the present old buildings.

Following representation from the Commissioner of Police regarding hospital accommodation for junior ranks of the force a Police Ward was built as an extension of Ward XVI, being served by that ward kitchen. Four beds are provided with shower, wash basin and Water Closet.

Consequent on the inauguration of the department of Medical Records the accommodation used for the offices of Matron and her assistants was taken over. Considerable internal alterations were required for the Records Department.

The Secretary was required to vacate his house in the hospital compound which, with minor internal alterations, was taken over as Matron's Office.

No alternative residence being available an unfurnished house was rented for him.

Extensive alterations were carried out in an effort to improve working conditions in the main kitchen. Considerable improvements were effected in lighting and ventilation but the kitchen is still much below modern standards.

A much needed addition to the accommodation for Medical Officers was achieved by the completion of two new two-bedroom bungalows on the Enmore site. This brought the total number of houses for hospital staff on that site to six.

Medical Staff Committee *(Barbados General Hospital Act, 1947)*

The committee was very active. Meetings were held in the doctors' common room at 5 p.m. and usually lasted from two to three hours. Nine meetings were held during the year and were usually well attended. Many important facets of the work of the present hospital were considered as well as plans for the new hospital.

Junior Medical Staff Committee

During the year as recruitment improved this unofficial but useful body was constituted. All members of the staff of the grades of Registrar, Medical Officer and House Officer are eligible. The committee serves a very useful purpose in presenting to the Medical Superintendent the agreed views of the members on various aspects of their work. Meetings were less frequent than those of the senior medical staff and of shorter duration.

Advisory Committee

The following members served on this Committee:—

Dr. J. Baeza – *Chairman*
Mrs. J. A. Martineau
Mrs. E. E. Bourne, M.C.P.
Mr. E. D. Mottley, M.C.P.
Mr. R. M. Cave

During the year Dr. E. B. Carter was appointed to act as Chairman while Dr. Baeza was absent on leave; Mr. O. T. Allder was appointed in place of Mr. Mottley.

Three meetings were held during the year.

GOVERNMENT BACTERIOLOGICAL AND PATHOLOGICAL LABORATORY

Dr. J. E. Walcott, Government Bacteriologist and Pathologist

Administrative

There was no additional post created during the year. The entire staff with the exception of the Government Bacteriologist and Pathologist were placed on the staff of the Barbados General Hospital from 1st June, but were left under the control of the Government Bacteriologist and Pathologist, who exercised the option to be exempted from the provision of the Civil Establishment (General) (Amendment) Order No. 25/1959. Dr. J. E. Walcott was on sick leave from 24th September to 5th November and on vacation leave from 5th November to 30th November inclusive. Mr. E. S. Whittington was on casual leave from 19th May for two weeks.

Buildings and Equipment

No structural alterations were carried out during the year. The several additions of up-to-date equipment call for no special mention or comment.

General

There was again an increase in the total number of examinations over those of previous years. Increases were most marked in the number of blood counts, chemical pathological tests and the cultural examinations of sputum.

A. *Helminthology and Protozoology*

Faeces

130 specimens of faeces were examined for the ova of pathogenic helminths and 109 specimens for the vegetative or cystic forms of E. histolytica. The following list gives the names of the pathogenic helminths with the respective numbers of specimens in which ova were found:

T. trichiura	28
Hookworm	3
	31

Vegetative forms and cystic forms of E. histolytica were observed in 9 specimens and one specimen respectively of faeces. Six of the positive specimens for the vegetative forms and the positive specimen for the cystic forms were obtained from one and the same person.

Blood films for malarial parasites.

Blood films from 23 different persons were stained and a search made for malarial parasites. P. falciparum parasites were observed in the films from one person and this one person was not a Barbadian. Judging from the negative results of the other few blood films sent in for examination it may be said that Barbados continued to be free from malaria during the period under review.

B. Serology and Kahn tests on cerebro-spinal fluids

(a) Blood Sera

4,867 specimens of blood serum were subjected to the V.D.R.L. flocculation test for syphilis with the results shown in the following table:–

Reactions	No. of specimens giving such reactions
Positive	790
Weakly Positive ..	500
Negative	3,577
	4,867

8 other specimens of blood serum were also subjected to the Khan standard test. Of these 1, 2 and 5 gave positive, doubtful and negative reactions.

(b) Cerebro-spinal fluids.

A kahn standard test was performed on each of the 140 specimens of cerebro-spinal fluid submitted. The results obtained are given in the following table:–

Reactions	No. of specimens giving such reactions
Positive	21
Doubtful	3
Negative	116
	140

Agglutination tests

Organism	Positive	Negative	Total
Salmonella typhi	23	117	140
S. paratyphi A	0	140	140
S. paratyphi B	0	140	140
	23	397	420

Of the 23 positive tests for S. typhi, seven were repetition tests. S. typhi was thus shown to be the infecting organism in which a positive agglutination test was obtained.

5 specimens of serum were each subjected to an agglutination test for undulant fever and for abortus fever. In each test the results were negative.

The presumptive test for infectious mononucleosis was carried out on 5 specimens of serum. The findings were negative.

C. Bacteriological Examinations

Sputum and stomach washings

1,355 specimens were examined by the staining of films for tubercle bacilli and of these 173 were found to be positive. Of the positive tests 108 were repetition tests.

Some of the above-mentioned specimens, 240 in number, were cultured for tubercle bacilli and growths of same were obtained from 39 of the specimens.

3 specimens of sputum were examined for organisms other than tubercle bacilli.

Throat and nasal swabs for C. diphtheriae

Smears from 47 swabs, which were ontained almost entirely from throats, were cultured and the resulting growths were then examined for C. diphtheriae. Negative findings with the exception of one were obtained from the growths.

Smears from noses and throats for organisms other than C. diphtheriae.

Smears from two throats were directly examined by staining for the organisms supposed to be the cause of Vincent's angina. These were found to be present.

Smears from 64 other persons were cultured and the growths examined mainly for B-haemolytic streptococci. Examination of the growths revealed no B-haemolytic streptococci.

Nasal and skin smears for Myco. leprae

20 smears made from nasal or skin scrapings, but almost entirely from nasal scrapings were stained and examined.

Positive findings were obtained in nasal and skin smears from one and the same person and in nasal smears from another person.

Urethral, cervical and conjunctival smears

74 genital and extragenital smears were stained and examined for gonococci. Four were considered to be positive.

Urine.

52 specimens of urine were cultured, three for tubercle bacilli and 49 for organisms other than tubercle bacilli. No growth of acid-fast bacilli was obtained from the cultures for tubercle bacilli. The centrifuge deposits of 8 other specimens were examined microscopically after having been stained. Search for tubercle bacilli was made in five of the specimens, but no tubercle bacilli were observed in any of the five specimens.

Faeces.

57 specimens of faeces were cultured. The resulting growths were then examined for typhoid or paratyphoid bacilli or for dysentery bacilli. No typhoid, paratyphoid or dysentery bacilli were isolated from the growths.

Pus and other miscellaneous materials.

Examination (a) by the staining of films of 16 specimens of pus and of 11 specimens of fluid from the pleural, abdominal and joints cavities and (b) by the culturing and staining of culture films made from the growths of 116 specimens was carried out for organisms other than tubercle bacilli.

The serum from the sores of 2 persons were each subjected to dark-ground examination for T. pallidum. The findings were negative.

The non-existence of yaws in this island continued apparently for the year, as no probable case was sent in for investigation.

Search was made, but with negative results, for tubercle bacilli in films made from pus from 2 cases, from the cerebro-spinal fluid of 15 cases and from the pleural and abdominal fluids of 9 cases.

Films made from the cerebro-spinal fluid of 29 cases were stained and examined for organisms other than tubercle bacilli with the finding of pneumococci in the films made from 12 cases.

13 different specimens of cerebro-spinal fluid and in addition 10 specimens of blood were cultured.

Donovan bodies were observed in stained films made from the pus from a genital sore.

626 antibiotic and 197 sulpha sensitivity tests were performed on culture growths.

Vaccines.

Only 4 autogenous vaccines were prepared and delivered during the year.

D. General Clinical Pathology

Urine.

Chemical or chemical and microscopical examinations were carried out on 277 specimens of urine and in addition 999 specimens were each subjected only to a microscopical examination.

7 specimens underwent the Ehrlich diazo test.

106 specimens of urine, into which of many of them vaginal swabs had been dropped were examined for Trichomonas. Eighty-five were found to be positive.

The Friedman test was carried out on 6 specimens.

The composition of one calculus was determined.

Blood.

A table showing the comparative numbers of the undermentioned tests for 1957, 1958 and 1959 is given below:–

Type of Examination	No. of specimens examined		
	1957	1958	1959
Haemoglobin estimations	2,624	3,485	3,990
R.B.C. Counts	1,373	981	545
W.B.C. Counts	1,836	2,476	2,236
Differential W.B.C. Counts	1,239	1,756	1,833
Types and staining reactions of R.B.C. ..	9	12	16
Platelet counts	4	3	10
Fragility of R.B.C.	0	1	0
C. I.	4	2	0
Sickling of R.B.C.	34	59	55
P. C. V.	35	256	528
M. C. V.	20	103	110
M. C. H.	6	0	0
M. C. H. C.	18	114	115
Reticulocyte counts	2	1	11
L. E. Cells	–	4	4
Peroxidase reaction	–	–	1
E. S.R. determinations	1,011	534	1,463
Coagulation time determinations	15	9	19
Bleeding time determinations	10	4	20
Prothrombin time	3	80	87
Coombe's test – direct and indirect ..	3	9	9
Occult blood in faeces	54	107	151
Groups			
Group A	356	407	378
Group B	282	323	294
Group AB	50	42	46
Group O	798	915	874
Rh – D positive	1,129	1,370	1,270
Rh – D negative	108	111	65
Cross-matchings	722	820	764
	11,745	13,984	14,894

A table of chemical pathological tests of blood showing the comparative numbers for the years 1957, 1958 and 1959 is set out below:–

	No. of specimens examined		
	1957	1958	1959
Urea estimations	506	769	760
Glucose estimations	153	329	357
Alkaline phosphatase estimations	122	327	357
Acid phosphatase estimations	19	30	14
Thymol turbidity	126	348	375
Van den Bergh reactions – direct	219	336	379
Van den Bergh reactions – indirect	219	323	373
Bilirubin estimations – direct	93	206	83
Bilirubin estimations – total	219	323	308
Sodium estimations	30	24	12
Potassium estimations	33	25	13
Total proteins estimations	67	116	186
Albumin estimations	65	112	184
Globulin estimations	65	112	184
Fibrinogen estimations	3	–	–
N.P.N. estimations	1	–	–
Calcium estimations	3	7	6
Uric acid estimations	1	1	5
Chlorides estimations	21	24	2
Serum amylase estimations	2	1	6
Creatinine estimations	–	–	–
Cholesterol estimations	41	20	48
	2,008	3,433	3,652

Cerebro-spinal fluids.

The number of white cells per cubic millimetre was counted in 268 specimens and tests for the excess of globulin were carried out on 138 specimens. The predominating type of cell was determined in 25 specimens. The amounts of chlorides, of glucose and of protein were estimated in 22, 76 and 217 specimens respectively.

Red blood corpuscles or broken down products of same were specially searched for in 16 specimens.

The colloidal gold test was carried out on 104 specimens. 90 specimens gave no reaction, whilst 9 gave curves in the paretic zone and 5 in the tabetic zone.

Miscellaneous.

66 specimens of gastric juice were tested for free hydrochloric acid and the tryptic activity of each of 4 specimens of faeces was estimated.

15 specimens of fluid from the pleural and abdominal cavities and 2 specimens of fluid from joints were stained and examined for the predominating type of cell.

15 other specimens of fluid from the pleural and abdominal cavities and 1 other specimen of fluid from a joint were also examined, four for malignant cells and twelve for the estimation of the amounts of proteins.

Search was made for malignant cells in 8 specimens of sputum.

E. Pathological Histology

The total number for the year of tissue sections examined and on which reports were issued was 333. Of these 122 showed evidence of the existence of malignant changes.

F. Fungoid diseases

4 specimens of skin and nail scrapings and 3 specimens of sputum were examined for fungoid growth.

G. Medical-Legal investigations

Specimens composed of smears, garments and weapons, numbering in all 78, were examined.

A more detailed list is given below:–

Garments examined for spermatozoa	40
Smears " " "	12
Weapons and other articles for blood ..	19
Garments and weapons for human blood ..	7
	78

DEPARTMENT OF MEDICAL RECORDS AND STATISTICS

Miss E. Maxwell, Records Officer.

The establishment of the Medical Records Department was put into effect on 1st April, 1959, with services which have been organised for the Registration and Documentation of patients, and the maintenance of medical records and statistics. Although there is room for improvement, nevertheless, with the large number of patients who daily seek attention, much has been done to raise the standards of reception and presentation of patients to the clinical and hospital services.

In this connection, the translation of the hospital statistics of attendances, admission and discharges into figures of patients treated and cared for by the hospital, tends to assess the quantitative aspects of the service which is being provided and also to indicate the way in which the hospital services should be further expanded.

The collection of facts in the form of clinical records and statistics of patients treated in the hospital is an essential pre-requisite to the planning, re-organisation and development of this hospital. Against this background of statistical information new material will be gathered for research and management.

In-patients.

The statistical data as set out in Table "A" describe the use which has been made of the available beds provided for patients in the wards.

TABLE "A"

Statistical Analysis of In-patients

Total Fixed Bed Compliment	453
Average Daily No. of occupied beds and cots	400
No. of In-patients at beginning of annual period	422
No. of In-patients at end of annual period	408
No. of In-patients admitted during annual period	9,647
No. of In-patients under treatment during annual period ..	10,069
No. of In-patients discharged during annual period including hospital deaths	9,711
Average No. of patients resident daily	400
Daily average admissions	26
Daily average discharges	26

N.B. This average includes patients admitted in excess of the fixed bed compliment of 453 beds.

In-Patient Waiting List.

After revision, the total number on the waiting list at the end of the period amounted to 730 patients. Cases admitted directly from the waiting list totalled 931. Periodically "list cases" are delayed because of the cases which are admitted directly from Casualty or from the clinics on the same day of attendance.

TABLE "B"

At 31st March, 1960

	Male	Female	Total
General Medicine	9	9	18
Paediatrics	7	–	7
General Surgery	202	199	401
Gynaecology	–	172	172
E. N. T.	48	84	132
Ophthalmology	–	–	–
Total	266	464	730

ADMISSIONS AND DISCHARGES IN THEIR VARIOUS SPECIALTIES

The figures in this table show the cases admitted and discharged in their various specialities for the period under review:

TABLE "C"

	Available beds, cots & Bassinetts	No. of cases admitted	No. of cases discharged
General Medicine	106	2,279	2,024
Tuberculosis	40	36	55
Paediatrics	38	1,114	1,076
General Surgery	143	4,728	4,552
Ophthalmology	27	407	404
Orthopaedics	30	305	299
Police Ward	4	–	–
Obstetrics	9	737	720
Nursery	10	41	22
Pay Wards "A", "E", "D", Ter. B., Ter. C	46	.x.	.x.
Total	453	9,647	9,152

N.B. .x. The number of cases admitted were 1,448; discharged 1,534.

Ø Including Gynaecology, Ear, Nose & Throat Cases.

Table "D" shows a further breakdown and sex classification of the number of cases admitted for the period under review.

TABLE "D"

	Sex Classification	
	Male Patients	Female Patients
General Medicine	1,157	1,115
Paediatrics	618	496
Skin	3	4
T.B. Ward	21	15
General Surgery	1,624	1,763
Orthopaedic	214	91
E. N. T.	147	220
Ophthalmology	179	228
Gynaecology	–	974
Obstetrics	–	737
Nursery	20	21
Total	3,983	5,664

Classification of Births.

TABLE "E"

Live Births	552
B. B. A.	28
Still Births	93
Twin Births	12
Triple Births	2

Casualty and General Practitioners.

The Medical, Surgical and General Practitioners' services have treated 92,951 patients during the period under review. The figures given in Table "F" show the total number of new patients and attendances.

TABLE "F"

	New Cases	Total Attendances
Medical and Surgical	23,459	33,386
Paediatrics	7,800	12,140
Diabetes	56	16,110
Total:	31,315	61,636

The day to day problem of providing treatment for the number of patients who attend the out-patients department still continues. This is a problem which shows no sign of lessening.

A total of 6,194 new cases and 11,332 attendances have been recorded for the period under review. These figures appear in Table "G".

TABLE "G"

Out Patients

Divisions	New Cases	Total Attendances
Medicine	479	1,324
Surgery	5,715	10,008
Total:	6,194	11,332

Other analyses of the figures for the various specialities as shown in Table "H" and "I" indicate the new cases and attendances.

Division of Medicine.

TABLE "H"

New patients were 479 and Attendances 1,324.

Division of Medicine	New Cases	Total Attendances
General Medicine	469	1,277
Dermatology	10	47
Total:	479	1,324

Division of Surgery.

TABLE "I"

New patients were 5,715 and attendances 10,008.

Division of Surgery	New Cases	Total Attendances
General Surgery	1,863	2,516
Orthopaedic	290	1,648
E. N. T.	1,132	213
Ophthalmology	1,572	3,965
Dental	858	1,666
Total:	5,715	10,008

Waiting List of Out-Patient Department.

At the first of April, 1960, a total of 814 patients were on the active list of cases waiting to be seen in the clinics and of this total 293 were male and 521 were female patients. The period of waiting was:— under one month — 650 patients; between one and two months — 129 patients; two to four months — 30 patients; and from four to six months — 5 patients. Table "J" shows a comparison of the various clinical specialities and the relative number of cases that have been waiting to be seen in the clinics.

TABLE "J"

SPECIALTY	Male	Female	Total	Under 1 mth.	1 – 2 mths.	2 – 4 mths.	4 – 6 mths.
Medical ..	–	–	–	–	–	–	–
Diabetic ..	–	–	–	–	–	–	–
Skin	–	–	–	–	–	–	–
Paediatric ..	–	–	–	–	–	–	–
General Surgery	77	124	201	176	22	3	–
Opthalmology	113	258	371	240	99	27	5
E. N. T.	15	23	38	37	1	–	–
Orthopaedic ..	48	28	76	69	7	–	–
Gynaecology ..	–	–	–	–	–	–	–
Total Patients	293	521	814	650	129	30	5

Hospital Deaths.

The total number of deaths for the year is shown in the table below. The Mortality Rate was 5.4 with the average days stay 15.

TABLE "K"

Classification of Hospital Deaths

General Medicine	241
Paediatrics	75
Skin	–
T. B. Ward	7
General Surgery	148
Orthopaedic	19
E. N. T.	–
Ophthalmolgy	1
Gynaecology	2
Maternal	7
Nursery	13
Neo-natal	46
Casualty	22
Total:	581

Deaths Associated with Anaesthesia.

These deaths are small in number for the period under review. Table "L" shows the classification of Coroner's Inquests.

TABLE "L"

Coroner's Inquests

Deaths assoicated with Anaesthesia	2
Deaths within 24 hours of Admission	111
Total	113

Perinatal Mortality.

A combination of the totals of still-births and neo-natal deaths for the period under review are shown in Table "M..

TABLE "M"

Perinatal Deaths

Still-births	93
Neo-natal	46
Total:	139

Operations.

The total number of hospital operations (Major, Minor and Eye) has increased. The previous year's total was: Major and Minor – 3,932 as compared with 4,155. Eye – 138 as compared with 207. The total for the period under review is shown in Table "N". The daily average number of operations (In-patients) was 12, and (Out-patients) 4.

TABLE "N"

Operating Theatres

In-Patients (including eyes)	4,362
Out-Patients	1,723
Total:	6,085

Physiotherapy.

The total number of treatments and attendances is 520 for the period under review.

TABLE "O"

	Treatment	Attendances
In-Patients	41	79
Out-Patients	92	308
Total:	133	387

The preceding statistical tables have dealt with what may be described as the logistics of the hospital service and should be of concern to those interested in knowing what is going on in the hospital. There is evidence from these statistics that the hospital is working to full capacity despite material shortcomings and other difficulties.

THE MENTAL HOSPITAL

Dr. R. M. Lloyd-Still, Medical Superintendent.

Staff.

Dr. R. M. Llyod-Still, Medical Superintendent, attended the second Conference for Mental Health which was held at San Juan, Puerto Rico, from 10th April – 16th April, 1960.

Dr. W. Terajewicz, Assistant Medical Superintendent, went on 161 days' vacation leave on 13th April, 1959, and returned on 21st September, 1959. During this period, he attended the Annual Congress of the American Psychiatric Association at Philadelphia Pa. from 27th April to 1st May, 1959.

Dr. R. A. J. Webb, Assistant Medical Superintendent, presented a paper on a Demographic Survey on Etiological Factors of First Admissions to the Barbados Mental Hospital at the annual meeting of the Committee for Medical Research in the Caribbean which was held at Georgetown, British Guiana, during early April.

Dr. Webb was awarded a scholarship in Public Health from W.H.O., and left for Baltimore, U.S.A. on 10th September, 1959.

Dr. P. W. Branch and Dr. E. St.E. Thompson acted as Assistant Medical Superintendents on a part-time basis during the absence of the permanent Medical Officers.

Miss E. McKerchar, Matron, resigned with effect from 8th July, 1959, and took up an appointment in Lebanon. Miss Mythriel Maloney, Head Nusre, was appointed to act as Matron on 27th January, 1960.

Mr. Dermot Nugent, S.R.N., R.M.N., was appointed to the newly designated post of Tutor, and assumed duties on 5th February, 1959.

Mr. Colton Bennett, S.R.N., R.M.N., who gained his Nursing Tutor's Certificate, returned from the United Kingdom on 31st July, 1959. He was appointed as Charge Nurse and subsequently was appointed to act as Tutor with effect from 1st August, consequent upon the secondment of Mr. D. Nugent to the post of Tutor, Barbados General Hospital

Mr. Percival Walcott, R.M.N., who was granted Study Leave returned from the United Kingdom on 10th May, 1959, and has been acting as Charge Nurse.

Miss Opal Sealy, S.R.N., R.M.N., returned from the United Kingdom on 4th November, 1959, and was appointed Charge Nurse. She was subsequently appointed to act as Head Nurse vice Miss M. Maloney with effect from 11th November, 1959.

Mrs. Roach, who is a trained General Nurse, has been employed temporarily at this hospital, for the purpose of carrying out Research Work in connection with the demographic survey which was undertaken by Dr. R. A. J. Webb. Many distinguished Psychiatrists and Social Workers, among them Dr. Waterlow and Professor Pickering, have been impressed by her work. She has been of great assistance in the Hospital.

Accommodation.

For the accommodation of patients there are 35 dormitories holding 380 beds and 416 single rooms. Males 325, females 476. (Total accommodation 801). Five new single rooms were built during the year for the accommodation of Female Pay Ward patients.

Treatment.

According to the general trends in psychiatric treatment, tranquillizers have been used on a large scale, in addition to the well established method of Electro Convulsive Therapy and Modified Insulin Therapy. During the year 201 female admissions plus 78 chronic patients were treated along with 63 male patients plus 60 chronic patients. The total number of patients treated with E.C.T. during the year were 402 as against 469 in 1958.

Insulin Sub-Coma Treatment has been given chiefly to patients who have relapsed after E.C.T., or have failed to respond, and results have been successful.

Altogether 69 female and 31 male patients have been treated.

No leucotomy operations were performed during the year.

Ataraxic (Tranquillizing) Drugs.

The only ataraxic (tranquillizer) now being used to any extent is the original Largactil (chlorpromazine) and even this is used on a limited scale. Trials have been carried out with a new drug, Stelazine, and the results obtained have been very encouraging.

Cases of Dementia Paralytica and Cerebral Syphilis continue to be treated with 10,000,000 units of Penicillin (10 days course). Patients with positive V.D.R.L. and negative C.S.F. receive appropriate treatment.

There were three (3) deaths from Neuro Syphilis during the year.

Deaths from Neuro Syphilis for the past twelve years are as follows:

1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
15	20	13	11	9	7	4	4	3	0	2	3

Ten years ago this was a major cause of death:

Male V.D.R.L. Test on Blood and C.S.F. – 254

Positive Blood – 57 – 22.4%
Positive C.S.F. – 11 – 4.3%

Female V.D.R.L. Test on Blood and C.S.F. – 278

Positive Blood – 76 – 27.3%
Positive C.S.F. – 4 – 1.4%

Cases of Pulmonary Tuberculosis continue to be treated with Streptomycin and Isoniazid or Para Amino-Salicylic Acid. Progress is checked by X-ray investigations every three months and sputum tests more frequently if needed. Routine X-ray examinations are also done on all first admissions. Four patients died from Pulmonary Tuberculosis during the year.

Occupational Therapy.

Male patients continue to attend the female Occupational Therapy Department and work under the supervision of a female nurse, thus releasing a male nurse for other duties.

Occupational Therapy now in use could be performed more effectively on a larger scale, if trained staff for this purpose could be obtained.

Prizes were won at the Annual Agricultural Exhibition in December. Those patients who, in the outside world, follow a particular trade (e.g. Carpentry etc.), are encouraged to continue this trade during convalescence.

Recreation.

The year has seen further extensions of patients recreational facilities. Groups of selected male patients were taken to witness cricket and football matches played between the Staff and opposing teams. During the year, Cinema Shows, Police Band Concerts, Salvation Army Concerts, and concerts by other visiting Artistes have been staged regularly, and have contributed greatly to the contented attitude of the patients. Many patients have ground parole and seldom abuse their privilege.

More patients than usual went to the Annual Agricultural Exhibition, and there has been a considerable increase in the number of week-end leaves.

An experimental Sports Day, in which both Staff and Patients took part, was held in June. This was very successful, and the patients enjoyed themselves very much. It is hoped that an annual Sports Day will become a regular feature.

Population.

The total number of patients in residence on 31st December, was 760 (295 males and 465 females) as against 740 (292 males and 448 females) on 31st December, 1958.

The average number in residence during the year was 737 (280 males and 457 females) as against 734 (286 males and 448 females) in 1958. The highest number recorded during the year, 760 (on 31st December, 1959 and 8th November, 1959 as against 747 on 5th October, 1958), and the lowest 736 on 29th April, 1960, as against 720 on 25th May, 1959.

558 patients (231 males and 327 females) of whom 77 – 13.8% were certified; 98 – 17.6% voluntary; 340 – 60.9% temporary; 43 – 7.7% sent from the Courts for observation were admitted during the year as against 570 in 1958 (247 males and 323 females) of whom 87 – 15.3% were certified; 91 – 16% voluntary; 355 – 62.2% temporary; and 37 – 6.5% sent from the courts for observation.

492 patients (217 males and 375 females) were sent out of the hospital during the year as against 502 (220 males and 282 females) in 1958. The number comprises 137 permanently discharged, 147 discharged after a trial period of usually two to three months, 82 who were afterwards returned from trial, 39 who were sent from the Courts for observation. The remaining 87 patients were still out on trial at the end of the year as against 102 at the end of 1959.

Of the 43 patients who were sent for observation 7 were later certified and none remained under observation at the end of the year.

The number of deaths was 46 (15 males and 31 females as against 53 (20 males and 33 females) in 1958.

The main causes of deaths were:–

1959		1958	
1. Myocardial degeneration with with Arterio Sclerosis	21	1. Myocardial Degeneration with Arterio Sclerosis	18
2. Acute Pulmonary Tuberculosis	3	2. Acute Enteritis ..	5
3. Cerebral Haemorrhage with Arterio Sclerosis ..	3	3. Status Epilepticus ..	3

Health.

The general health of the patients continues to be very satisfactory. X-Rays of all new admissions are carried out at Enmore. There was one new admission of pulmonary Tuberculosis who died one month after admission.

Deaths.

The number of deaths was lower than in the two previous years. The majority of the deaths took place amongst the elderly population. The average age was (57 in 1958). The number of deaths which took place during the last ten (10) years are as follows:–

1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
83	70	64	60	58	35	44	52	49	53	46

Farm – *The Weather.*

The total rainfall recorded for the year was 33.52 inches compared with 55.80 inches in 1958. The average rainfall per month was 2.79 inches as against 4.65 inches in the previous year.

Due to the extreme dry weather conditions, the irrigation system had to be in constant use. The return of rainfall during these months was low, the lowest being 1.07 inches recorded for the month of May.

Cattle.

At the beginning of the year there were 27 cows, 10 heifers, 5 steers, 7 calves, a total of 49. At the end of the year there were 27 cows, 11 heifers, 10 steers, and 10 calves, a total of 58.

During the year 21 calves were born; 2 cows, 5 calves, and 3 steers were slaughtered, and 3 calves and 1 cow died.

A total of 180,181 pounds of milk was produced on the farm for the year 1959 as compared with 162,331 pounds for the year 1958. 11,801 pounds was the lowest amount produced on the farm for the month of December, 1959.

The incidence of mastitis in the dairy herd of milking cows on the farm has continued to be reduced. The tick problem was not so serious this year and the entire herd was sprayed regularly with gamatox paste against the ticks.

The number of artificial inseminations paid for by peasants was 113 as compared with 150 for the year 1958.

Sheep.

During the year 21 lambs were born; 7 died; 1 was sold and 7 were slaughtered. The number of ram services paid for during the year was 82.

Pigs.

At the end of December, there were 91 pigs on the farm. During the year under review 166 pigs were born; 32 died; 32 were sold and 62 were slaughtered and supplied to the hospital.

The number of boar services paid for during the year was 89.

Vegetable Garden.

The vegetable garden maintained the usual supply of vegetables throughout the year. Supplies fell short during the month of February, and this was due to the fact that two sections were ploughed with a Fergusson tractor kindly loaned by the Director of Agriculture.

There were no serious major pests during the year. The crops were sprayed regularly and fertilizers were applied often.

During the year two plots were ploughed and planted with Pangola Grass. As a result of this, a regular supply of fodder for the cattle was maintained.

Frequent applications of fertilizers were applied to all fodder plots on the farm.

Buildings.

No new buildings were erected during the year, but a new bath-shed was constructed of coral stone at Brandon's Beach for use by female patients. The female observation ward was washed in attractive colours. More bars were removed, and in the Laundry some windows were let into the walls. Other than this, the usual programmes for maintenance and upkeep of existing buildings were carried out.

Visitors – *Official.*

His Excellency the Governor Sir John Stow and Lady Stow.
Honourable Freddie Miller, Minister of Social Services.
Honourable Mrs. Phyllis S. Alfrey, Minister of Labour and Social Affairs, Federal Government.
Honourable Lady Gibbs, C.B.E., Overseas Commissioner, Girl Guides Headquarters, London.
Mr. E. S. S. Burrowes, Financial Secretary.
Dr. M. A. Byer, Director of Medical Services.

Unofficial.

Dr. Krishnaram, Editor, "The Antiseptic India" and Speaker, Madras Legislative Assembly.
Dr. H. E. Seiler, Medical Officer of Health, Edinburgh.
Dr. Martin Beard, Assistant Psychiatrist, Columbia Presbyterian Medical Centre, New York City.
Professor George Pickering, Oxford University.
Dr. D. C. Turner, Pathology Department, U.C.W.I., Jamaica.
Professor Max Siegel, Assistant Professor, Brooklyn College, New York.
Dr. Malcolm Siegel, New Hampshire State Hospital, New York.
Dr. Malcolm Brawer, Sociologist, Research Institute for the Study of Man.
Professor J. Waterlow, Scientific Secretary, U.C.W.I.

Visitors in general, continue to be very impressed with the sense of freedom and the pleasant surroundings.

Remarks.

This has been a satisfactory year for the Mental Hospital and the community at large appear to show greater confidence in the improved standard of pyschiatric service that is now offered in Barbados.

The population at the end of the year was twenty more than the previous year.

Many of the new patients are discharged on trial after one to three months of hospital treatment. It is important to note that co-operation between the hospital and patients' relatives, is good. Families are willing to take patients home, when treatment has been completed.

The policy of an open door hospital introduced by Dr. R. M. Lloyd-Still, Medical Superintendent, has shown good results.

The hospital grounds are continually being improved and more flowers have been planted. The quiet atmosphere and beautiful surroundings of the hospital have impressed visitors at all times.

In November the Barbados Association for Mental Health was formed. This Association could be of great assistance by way of better understanding and co-operation between population and all who are working in the field of mental health and education.

Results of discharges were evaluated as follows:–

Recovered: i.e. Patients who are socially readjusted to their normal pre-psychotic state.

Much Recovered: i.e. Those who have not attained complete readjustment at all levels but are approaching this state and will ultimately be able to adapt themselves completely to their environment.

Improved:	i.e. Patients who have come to terms with their symptoms or those in whom some but not all symptoms have disappeared.
Not Improved:	i.e. Patients who can be looked after at home and whose relatives press for discharge.

Mr. V. Boyce, as a Steward, shows good capabilities as an administrator of work between various sections of the hospital and the general public.

In conclusion, I wish to record my thanks to Dr. R. A. Webb and Miss Maloney, the Acting Matron, and Mr. Lewis, the Head Male Nurse, for their able assistance and extend a welcome to Mr. Dermot Nugent, the newly appointed Tutor.

Finally, I would like to tender my most grateful thanks to the members of the male and female staff for their co-operation and assistance during the year.

THE MATERNITY HOSPITAL

Staff.

Miss L. V. Fearon, S.R.N., S.C.M., Midwife Tutor, assumed duties as Matron, on 2nd February, 1959.

Pupil Midwives.

	In Training	Trained Nurse Pupils	Untrained Pupils
1st – 5th January	20	6	14
6th – 31st January	19	6	13
1st Feb. – 30th April ..	18	7	11
1st May – 31st May	20	7	13
1st June – 31st December ..	19	7	12

January 1959.

Eight pupils, (6 trained and 2 untrained) sat the final midwifery examination.

Examination results: All passed.

April 1959.

Seven pupils, (including one pupil who entered in February for a three-month refresher course, two partly trained midwives who were sent from St. Kitts, and four untrained pupils) sat the final Midwifery examination.

Examination results: All passed.

November 1959.

Mrs. Sheila Callendar, trained Nurse from St. Vincent, entered for a three-month refresher course.

Family Planning Clinic.

Patients are referred from the Post-Natal Clinic, Maternity Hospital.

Ante-Natal Clinic.

This Clinic is working satisfactorily. A number of cases have been referred from the Health Centres at St. Philip and Speightstown for Ante-natal care.

Infant Welfare and Post Natal Clinic.

This Clinic is working satisfactorily.

Statistics.

Admissions	654	
Discharges	615	
Deliveries	549	
Multiple pregnancies (twins)	4	(1 set B.B.A.)
Premature births	40	(1 B.B.A.)
Baby Clinic Attendances ..	525	
Baby Treatments (See General Remarks)		
Post Natal Attendances ..	404	

Ante-natal Attendances ..	5,175
Dental benefits issued ..	98
Abortions	5
Transfers to B.G.H.	13

Reasons for transfers to B.G.H.:

3 Caesarean Section;
4 Prolonged labour;
3 Abortions;
1 Tetanus – Referred by Dr. Reader.
Was not admitted before transfer.
1 Malignant Tumor;
1 Eclampsia.

Maternal deaths ..	–
Neo-natal deaths ..	15

Causes of death.

11 Prematurity;
4 Asphyxia;
10 Stillbirths.

Causes – Stillbirths.

3 Asphyxia;
2 Prematurity;
2 Ante-partum haemorrhage;
3 Intra Uterine deaths.

Treatments given	453

V.D.R.L. Tests.

Positive ..	93	726
Negative ..	633	

Cord Bloods.

Positive ..	32	55
Negative ..	23	

General Remarks.

Baby treatments, cords, etc. The use of dressings and binders have been discontinued. After delivery, the cords are now left open, cleaned and kept dry with surgical spirit. We find that the cord separates much more readily between the 4th and 5th day, before the baby is discharged.

Ophthalmia Neonatorum. We have adopted the method of swabbing the babies' eyes immediately after delivery before the eyes are opened, with mositened sterile swabs, and *not* instilling Prophylatic drops. If a baby's eyes show any signs of Ophthalmia (sticky eye), an eye swab is taken and sent to the Public Health Laboratory, for culture, organisms, and sensitivity.

Twelve eye swabs were sent during 1959. No cases of Gonococcus were found.

THE LEPER HOSPITAL

There were 10 male and 5 female patients in the Hospital on the 1st January, 1960. By the end of the year the number of male patients had been reduced to 8 and the number of female patients to 4.

The following statistics are of interest:

Number of patients in residence on 1st January, 1960	15
New admissions	–
Re-admissions on compassionate grounds	1
Discharges	2
Deaths	2
In residence on 31st December, 1960	12
In residence on 31st December, 1950	34
In residence on 31st December, 1940	57

The causes of the deaths were as follows:

1. (a) Senility
   (b) Leprosy.
2. (a) Congestion and cardiac failure
   (b) Leprosy.

Forty-two (42) discharged patients presented themselves at regular intervals for examination and remained in good physical condition.

The staff which numbers 17 was granted leave in accordance with the Leave Regulations, 1952.

Mr. C. E. Edwards continued in the post of Superintendent.

Dr. T. N. Blades continued in the post of Visiting Physician.

The duties of Chaplain were carried out throughout the year by the Reverend Father K. F. Hassell.

The Matron, Miss V. E. Sealy, continued her studies in nursing in the United Kingdom.

Throughout the year the duties of Matron were carried out by Mrs. E. R. Jules.

Mr. C. H. Riley continued in the post of Steward and Clerk. He performed the duties of Superintendent during the absence of Mr. C. E. Edwards on sick leave from 19th February to 19th March, 1960.

The expenditure exclusive of Personal Emoluments was as follows:

Provisions and fuel	$ 9,990.78
Clothing and Uniform ..	1,478.67
Cleaning, water and light ..	1,539.99
Furniture and bedding ..	384.03
Medicine	2,034.14
Incidentals	952.26
Medical Boards	5.04
Stationery	36.62
Dental Treatment	144.00
Eye Treatment	10.00
Inmate labour	1,999.87
Casual labour	2,213.91
Recreation and handicrafts ..	134.38
Travelling allowance ..	148.96
Total:	$21,072.95

The average daily cost for general maintenance was $1.85½ and Provisions averaged $1.50 each per day.

Of the sum of $9,000.00 provided for the after-care of discharged patients a total of $8,701.18 was expended.

Inmate labour was used for the following:

> Sweeping and cleaning yards, washing in the Laundry, sewing, picking fibre and making beds, weeding lawns and gutters and attending the helpless. The average number so employed was 6.

During the year it was agreed that the block of buildings in the female section of the Hospital should be re-arranged to accommodate both male and female patients who are now scattered over the Hospital. The section occupied by the male patients will be released for other use.

Plans of the requirements and an estimate of the cost of the work were prepared by the Public Works Department for inclusion in the Estimates of Expenditure for the Financial Year 1961–62.

It is hoped that the work will be put in hand as early as possible.

HEALTH CENTRE, SPEIGHTSTOWN

Dr. C. G. Terrell, O.B.E., E.D., Medical Officer of Health.

Work at the Speightstown Health Centre has proceeded smoothly throughout the year with further evidence that its services are valued by an important number of the poorer classes of the population.

1959 was again a year comparatively free from any serious epidemics, and although there were sporadic outbreaks of influenza it did not at any time reach epidemic proportion.

The total number of attendances for the year showed a substantial increase to 22,083, compared with 18,414 in 1958 and 16,266 in 1957.

The Ante-natal figures increased from 1,557 in 1958 to 1,606 in 1959, and the Infant attendances from 3,742 in 1958 to 4,150 in 1959.

There is evidence of a higher standard in the general health and appearance of the infants and children who nearly always look clean and well dressed.

All ante-natal cases are carefully screened and have their blood tested and haemoglobin estimated – followed by full courses of penicillin injections to any positive V.D.R.L. reactors and prolonged treatment given to any cases of anaemia.

The number of V.D.R.L. Tests showed a small increase from 2,363 in 1958 to 2,395 in 1959 and it was again found that between 20 and 25 percent of these showed a positive reaction in varying degrees.

The number of Syphilis cases fell to 135 for 1959 which compares with 163 in 1958 and 228 in 1957 and shows a very satisfactory fall in incidence over a three year period of about 60 percent.

Gonorrhoea cases at 433 were practically the same as the previous year. It is disappointing to record that contact slips given to all patients with careful instructions are made very little use of.

The work of the Dental Clinics held twice weekly at the Health Centre has proceeded normally throughout the year and the number of attendances increased from 1,492 in 1958 to 1,780 in 1959.

Numbers attending the Diabetic Clinics again increased and the average number on the register was between 45 and 50.

Although they are given careful instructions about regular attendance for their insulin injections, the attendance of many of them – especially from the more distant places – is often irregular and unsatisfactory.

The attendance every Tuesday morning by the Enmore Laboratory Supervisor has again continued throughout the year and serves a very useful purpose. Advantage is taken of this for a special weekly check on Urine Analysis for all diabetic cases and an examination of any other specimens available.

Further progress has been made in St. Andrew and the weekly Friday Clinic held at Belleplaine Social Centre has been well supported. It is often a busy session with by far the greater proportion attending being women and children. The attendances increased from 1,759 in 1958 to 2,187 in 1959, which is an indication that it is appreciated by the community of that parish.

With the introduction of higher dosage long acting penicillin, it is now possible to treat all V.D.R.L. positive reactors at the Belleplaine Clinic with a single injection – this is considerable help to them and obviates at least two journeys backwards and forwards to Speightstown to complete the ordinary two and one half weeks' course of five penicillin injections. It is also more efficient in that many patients did not previously complete their full courses properly, owing to the difficulties in communications.

It is satisfactory to record higher figures for Triple Antigen inoculations at 1,281, compared with 906 in 1958. This valuable prophylatic treatment is undoubtedly appreciated by the mothers, and the number of children protected is increasing every year. I personally have not seen a single case of these diseases during my three years at Speightstown Health Centre.

Home visits figures made a very satisfactory showing with a total of 1,727 compared with 1,352 in 1958 – an average of 144 visits monthly to the homes.

Although the figures for attendances at the Family Planning Clinic show an increase from 346 in 1958 to 599 in 1959, they are far from satisfactory, and it is most regrettable that more do not take advantage of this valuable service.

No opportunity is lost at the general clinics in bringing the seriousness of the problem of uncontrolled growth of the population to the notice of all those who ought to be interested.

Our annual Children's Christmas Party was again held this year on the Monday before Christmas Day and was well attended by the Mothers and Children who enjoyed the arrangements and refreshments prepared for them and appreciated the presents provided for all the children.

Staff.

Medical Officer of Health:

Dr. C. G. Terrell continued in charge of the Health Centre during the year.

Senior Public Health Nurse:

Nurse U. Clarke held the acting post of Senior Public Health Nurse for the first eight months of the year. Nurse G. Tudor was appointed to act as Senior Public Health Nurse with effect from 7th September, 1959.

Junior Public Health Nurses:

Nurse M. Gay continued in her duties as Junior Public Health Nurse during the year.

Nurse H. Horton took up her duties as Junior Public Health Nurse on 1st August, 1959, on completion of her Public Health Nurse course in Jamaica and the final examination in which she was successful.

Staff Nurse:

Staff Nurse M. Reade was given one year's leave of absence in order to complete her course of training in Midwifery at the Maternity Hospital from February 1st, 1959 and Nurse A. Bridgeman was appointed to act as Staff Nurse during her absence.

Nurse V. Stuart acted as temporary Staff Nurse from 31st May to July, 1959.

Nurse E. Hope continued to act as temporary Staff Nurse until the 8th August, 1959.

Stenographer:

Miss A. Allder continued in her duties of temporary Stenographer until the 28th May, 1959, when Mrs. P. Edwards returned to duty.

Visitors to the Health Centre.

Dr. G. H. K. Gentle, W.H.O. P.A.S.B.
Dr. J. H. Asprino, Ministry of Public Health, Caracas, Venezuela.
Miss Janet L. Thomson, W.H.O. Zone 1 Office, Caracas, Venezuela.
Miss Verna Huffman, W.H.O. Georgetown, British Guiana.
Dr. Bertram Scheffeur, New York City, U.S.A.
Dr. Geoffry Dixon, U.C.W.I., Jamaica.

STATISTICAL SCHEDULE

January – December, 1959

	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Patients	1,669	1,325	1,377	1,590	1,529	2,049	2,202	1,740	2,948	1,772	2,515	1,367	22,083
Syphilis Cases	12	5	12	9	6	12	19	14	11	12	11	12	135
V.D.R.L. Tests	226	160	184	227	177	228	265	206	210	194	167	151	2,395
V.D.R.L. Positive	67	40	64	64	52	69	60	51	55	40	40	22	624
Gonorrhoea Cases	40	20	29	45	30	38	54	24	35	43	33	42	433
Chancroid Cases	2	1	2	1	–	–	–	–	1	–	–	2	8
New Ante-Natal Cases	49	33	42	41	27	49	52	34	36	33	28	36	460
Infants Registered	68	46	68	60	34	63	51	78	35	44	61	25	633
Penicillin Injections	607	337	490	658	481	719	578	529	530	473	331	342	6,075
Vaccination and inoculations	63	39	41	54	75	119	150	168	1,402	185	874	156	3,326
Insulin Injections	256	337	270	354	369	379	375	368	315	307	259	289	3,878
D.T.P.P. Immunisations*	63	64	108	109	130	169	137	120	98	80	115	88	1,281
Home Visits	243	154	190	223	184	179	200	59	51	75	99	70	1,727

*D.T.P.P. – Diphtheria, Tetanus, Pertussis Prophylactic.

Table I

Ante-Natal Clinic

(To show number of occasions on which mothers attended before delivery)

Number of Attendences	1	2	3	4	5	6	7	8	9	10	11	12+
Mothers	85	80	81	73	50	38	20	14	10	4	2	1

Table II

To show the age groups to which the expectant mothers belong

Age Group	10–14	15–19	20–24	25–29	30–34	35–39	40–45
Mothers	5	112	123	99	70	35	15

Table III

The results of the V.D.R.L. Tests done for mothers attending this Clinic are shown in Table III.

Negative	*Positive*	*Test not done*
389	67	1

Table IV

Follow-up of Ante-natal cases.

Live Births					
Male	Female	Twins	Abortions	Miscarriages	Still Births
206	231	8	6	3	16

Table V

Immunisations.

Completed	Started but not completed	Not yet started
219	234	189

Table VI

To show age/weight of infants on first attendance.

Weight in lbs.	Age (in months) of 1st attendance							
	1	2	3	4	5	6	7	7+
4	3	1	–	–	–	–	–	–
5	2	1	–	–	–	–	–	–
6	15	7	–	–	–	–	–	–
7	24	7	3	–	–	–	–	–
8	38	11	5	2	–	1	–	–
9	45	28	5	1	2	1	–	2
10	33	42	7	1	1	2	3	2
11	20	38	15	2	3	1	–	2
12	4	27	15	8	2	5	2	1
13	7	22	18	6	3	5	2	–
14	3	5	18	7	7	5	4	6
15	1	7	6	7	5	3	4	7
16	–	4	4	4	5	1	3	5
17	–	1	4	7	5	3	5	6
18	–	2	1	8	–	2	2	9
19+	–	–	–	4	–	1	4	29

HEALTH CENTRE, ST. MICHAEL

Dr. L. Hamey, Medical Officer of Health

Statistical Report for the Year 1959–60

Total Attendances: 73,011

V.D. Clinic

	Male	*Female*
Syphilis	549	625
Gonorrhea	2,193	758
V.D.R.L. tests	5,873	4,951

Total Treatment

Penicillin	19,109
Antibiotics	3,166
Follow-up cases	8,554

Child Health Clinic

New Cases	874
Old Cases	5,447
Health Talks	132

Ante-Natal Clinic

New Cases	548
Old Cases	1,912

Vaccinations	4,597

Family Planning

New Cases	723
Old Cases	1,943

T. B. Clinic

New Cases	51
Old Cases	2,405
Under Observation	397

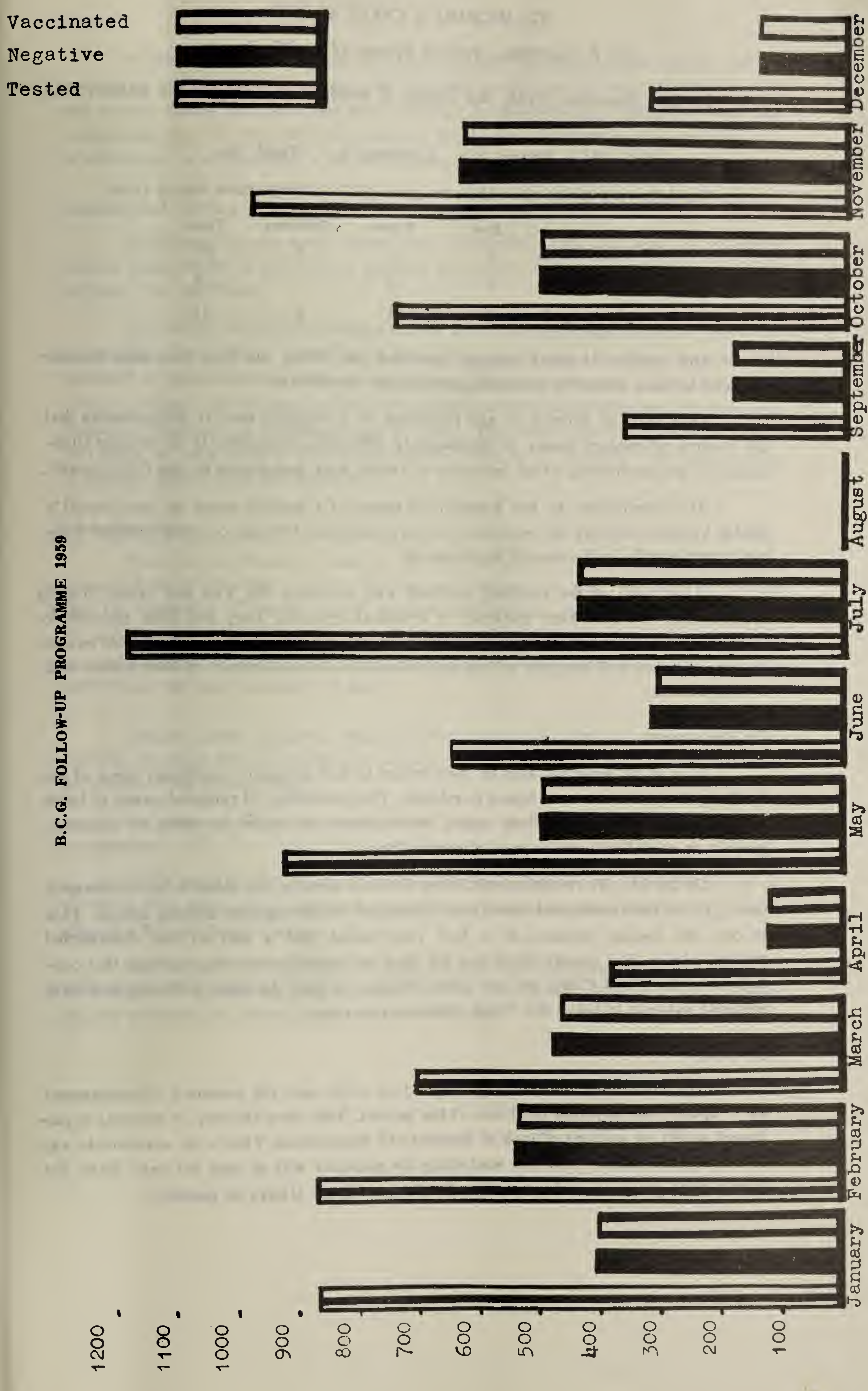
X-Rays

Routine:	Miniature Films	5,815
	Large Films	1,681

B.C.G. Campaign

Miniature films	588
Large films	120

While the number of new cases of Tuberculosis and the Mortality Rate shows a slight decrease, the work is handicapped by lack of full-time medical and nursing staff. Until this is remedied the medical department's aim – eradication of Tuberculosis – will not be reached.



B.C.G. FOLLOW-UP PROGRAMME 1959

ST. MICHAEL'S CHEST CLINIC

Dr. E. Cochrane, Medical Officer of Health, Enmore.

On 31st December, 1958, the number of patients remaining in the Chest Clinic was:–

Men 16; Women 8; Children 5; Total 29.

The following tables show the admission and discharge rates during 1959:

	Men	*Women*	*Children*	*Total*
Admitted ...	4	8	8	20
Re-admitted	2	3	–	5
Discharged	6	11	2	19

The number of adult patients admitted has fallen but this has been counterbalanced to some extent by increasing admissions of children.

This shift of balance in age incidence is a welcome one. It demonstrates that the control of contact cases is increasingly effective. Moreover, it is another illustration of the usefulness of all branches of health work undertaken by the City Council.

The introduction by His Worship the Mayor of a monthly return by the Council's Health Visitors showing the economic and environmental findings of every notified case has helped greatly in the search for contacts.

Also none of the children admitted was seriously ill. Two had signs of early tuberculosis, the rest were admitted on economic grounds. They had been exposed to heavy infection; but a period of treatment and the advantage of excellent diet ensure that the disease will not gain a foot hold despite the close contact in their homes with a T.B. parent.

Re-admissions

It is to be expected that on their return to bad economic conditions some of the discharged patients are bound to relapse. The percentage of relapsed cases is lower than was anticipated, and here again, re-admission was based as often on economic grounds as on definite evidence of clinical relapse.

Of the five (5) re-admissions, three (3) have been, or are about to be, discharged. One (1) of the re-admitted cases had discharged himself against medical advice. This is only the second occasion in a four year period that a patient has disregarded medical advice. His speedy return and his plea for re-admission were evidence that conditions in the Chest Clinic are not unsatisfactory. In fact the chief difficulty now is to persuade patients to leave the Chest Clinic on recovery.

Discharges

The conditions for discharge depend as much upon the economic circumstances as upon the physical condition of the patient. With some the stay in hospital is prolonged solely on account of lack of housing and employment. This is an uneconomic way of meeting the problem besides weakening the patient's will to work but until State aid is on a more generous scale, speedier discharge will not always be possible.

Deaths

Of the three (3) deaths only one (1) was caused by tuberculosis. One (1) was due to coronary thrombosis in a patient who had been an inmate for five (5) years; one (1) was cancer of the lung who had been admitted for observation. The only death from tuberculosis was of a man who had concealed the disease for many months and who was, on admission, in so advanced a stage that even the modern remedies could not save him.

Occupational Therapy

Nowadays the very much shorter stay in hospital means that there is not enough time to teach crafts of any kind to patients who come, in the main, from the unskilled section of the population.

The number of chronic patients is now too small to justify any large expenditure on teaching since those remaining in the Chest Clinic are, for the most part, fully occupied in gardening. Occupational training would be of advantage if some line, sufficiently simple to be learnt quickly by unskilled workers and sufficiently in demand to produce a livelihood on discharge could be found. The usual lines are already so popular that there is little point in adding Semi-skilled workers to compete with large numbers of skilled workers, able and disabled.

Administration

From May to November 1959, Dr. M. M. Bools, Assistant Bacteriologist, was in charge of the Chest Clinic. This voluntary assistance was very welcome as it meant that the continuity of regular visits, repeated X-Rays and sputum tests was unbroken. We are especially greatful to Dr. Bools for her assistance as for a considerable part of this time she had extra duties to carry out and supervision of the Chest Clinic had to be added to a very heavy schedule of work.

Charge Nurse Haynes' return from long leave was much appreciated and it is a pleasure to report that the standard of nursing did not fall during her absence due to the good work of the nursing staff.

As always the Superintendent and the Matron gave the Chest Clinic their fullest co-operation.

Again the Jewish Community made a generous donation at Christmas which enabled us to make a gift of money to all patients discharged from the Chest Clinic and attending Enmore Health Centre.

Mention must be also made of Miss Kendall who continued to find employment, both indoors and outdoors, for patients fit to work, and of Mrs. Redhead whose interest in, and generosity to, the patients has never faltered.

HEALTH CENTRE, SIX ROADS

Dr. K. L. Standard, Medical Officer of Health, Six Cross Roads.

Staff – (Professional and Clerical).

(a) *Whole-time*
One Medical Officer of Health
One Senior Public Health Nurse
Three Public Health Nurses
One Staff Nurse
One Stenographer

(b) *Part-time*
One Visiting Physician
One Dental Surgeon

Dr. K. L. Standard, the Medical Officer of Health, returned to duty after obtaining his M.P.H. at Pittsburg University, United States of America.

In September, Miss M. I. Barrett, Senior Public Health Nurse left for the United States of America to do a course in Public Health Nursing Administration. The course was sponsored by the World Health Organization. Miss M. Mayers, Senior Public Health Nurse of the Speightstown Health Centre who completed a similar course in Public Health Adminstration at Michigan University has been seconded to duties at this centre vice Miss Barrett.

Miss M. E. Goring, Staff Nurse, has gone on a ten month course to the Public Health Training School, Jamaica.

During the absence of the Medical Officer from the island, the administrative duties were carried out by Dr. E. Cochrane, Medical Officer of Health, Enmore Health Centre. Clinical duties were carried out by Dr. L. B. Bannister and Dr. M. Brosnan. Dr. C. L. Hutson continued as Visiting Physician to the Social Disease Clinic.

Services

Services given through the Health Centre are as follows:–

(a) Ante-natal – supervision of the health of pregnant women, including dental services.

(b) Post-natal – check up, especially for infants.

(c) Child Health Services – i.e. for infants.

  (1) Conferences with parents concerning the health of their children.

  (2) Immunizations against smallpox, diphtheria, tetanus and whooping cough.

(d) School Health Services –

  (1) Dental Services.

  (2) Vaccinations against smallpox.

  (3) Health Education talks including sex education to the senior girls of Princess Margaret School by the Senior Public Health Nurse.

(e) Blood taking – Screening for syphilis.

(f) Treatment for syphilis and other Venereal Diseases.

(g) Diabetic Treatment – as ordered by patients' physicians and given at this centre for the convenience of the patients.

(h) Home Visiting.

(i) School Visiting.

Out-post Clinics

While much of the work is being done from the main Health Centre at Six Cross Roads, yet it is absolutely imperative to function through out-post clinics if we must offer services to our widely scattered population in the Southern Area.

The present out-post clinics are as follows:

(1) Gall Hill, St. John – from 1st April, 1957.

(2) St. Augustine, St. George – from 31st July, 1957.

(3) Kendal, St. John – 1st October, 1959.

(4) Charles Rowe Road, St. George (Now called Glebe Clinic) } from 2nd October, 1959.

The out-post clinics are multi-service clinics, and have been functioning once a week.

Screening for Syphilis

Three Year Summary

	1959	1958	1957 (¾ year)
Number of persons investigated	3,185	2,535	2,113
Number with positive V.D.R.L.	715	512	403
Percentage positive ..	22.4	20.1	19.1

Attendances for Syphilis Treatment

The attendances for the year were as follows:

1st half of year	–	1,307
2nd half of year	–	1,801
Total:		3,108

It is significant to note that the increase of attendances for 2nd half-of-year over those for the 1st half-of-year is approximately 38 percent.

The Venereal Disease work at Six Cross Roads is done by Dr. L. Hutson, while that at all the out-post clinics is done by the Medical Officer of Health.

Ante-natal Services

Our ante-natal services for the year show an increase in numbers over those of last year. Persons are becoming more aware that supervision during pregnancy is very important.

Problem cases and those potential complications were referred to the Barbados General Hospital and the Barbados Maternity Hospital. The Matron of the Maternity Hospital has been most co-operative and has assisted us on many occasions.

One of the biggest problems is the present hiatus which exists in our services. While the pregnant women attending our clinics are given satisfactory supervision during pregnancy, yet that, during the delivery period in many instances is most unsatisfactory according to reports which reach us from time to time.

The maximum benefit will not be derived from our centres until we make the delivery period and puerperium a part of our business either directly of indirectly.

There were 431 admissions registered in our ante-natal service during the year. The total number of visits by all ante-natal cases for the year was 1,669.

THREE YEAR SUMMARY OF MATERNITY SERVICES

Table I

	1959	1958	1957 (¾ year)
Admissions to Ante-natal services	431	385	235
Visits by Ante-natal cases	1,669	–	–
Average number of visits per patient	3.9	–	–

Table II

Expectant Mother Attending Ante-natal Clinic – Shown in Age-groups

(Age Groups in years)	Year		
	1959	1958	1957
Under 15	4	1	4
15 – 19..	97	107	43
20 – 24..	95	94	46
25 – 29..	92	75	58
30 – 34..	63	56	34
35 – 39..	48	42	31
40+	17	10	9

It is significant to note that from these figures we must realise that we have a big problem – too many young mothers in the under 20 age group.

Table III

V.D.R.L. Test for Syphilis on New Ante-natal Cases

Positive Cases Found:

	Year		
	1959	1958	1957
Number positive:	66	51	52

Each expectant mother is encouraged to bring her partner for V.D.R.L. investigation. The positive mothers are treated and a repeat test is usually done late in pregnancy.

Table IV

Period of Gestation in weeks at 1st Visit

Weeks	8–11	12–15	16–19	20–23	24–27	28–31	32–35	36–37	38–39
Mothers	15	41	72	89	88	62	32	13	4

It is important to get registration early in pregnancy. The success in this work must necessarily be bound up with an effective Health Education programme.

Table V

Number of Pregnancies

No. of mothers	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th
	91	51	45	49	38	33	25	18	25	14	14	4	4	2	3	1

INFANTS' CLINICS

This service is operated primarily for children under two years old.

The number of new infants registered during the year is 628. There were 4,397 attendances of infants at our clinics.

Of the 628 new registrations, 321 or 51% were at the Six Cross Roads Health Centre, while 307 or 49% were at our four Out-post Clinics.

(a) *Age of Infants at First Visit*

The distribution of age-groups at the first visit shows that the majority of infants came before 6 months old and more than half before 3 months. It is hoped that parents will bring their children earlier as they are kept informed on the importance of Child Health Clinics.

Table I

Age of Infants at 1st Visit

Clinics	Months								
	1mth	1+	2+	3–5	6–8	9–11	12	15	Total
Six Cross Roads	23	113	65	68	26	7	7	2	321
Gall Hill, St. John	7	42	29	28	10	6	–	–	122
St. Augustine, St. George ...	6	22	31	36	14	4	4	3	120
Charles Rowe Bridge, St. George ...	1	4	6	10	8	6	6	6	47
Kendal, St. John	1	5	2	2	2	–	3	3	18
Total:	48	186	133	144	60	23	20	14	628

Table II

Infants Total		628
Health Centre, Six Cross Roads	321 – 51%	
Out-Post Clinics	307 – 49%	

Table III

Percentage Distribution of Age-group at 1st Visit

Less than 6 months old	–	81.3% of total
Less than 3 months old	–	58.4% of total
Less than 2 months old	–	37.2% of total

(*b*) *Immunizations*

The table below shows that approximately 25% of the infants completed their immunization, while 50% started but have not yet completed. Those who have not yet started are the young ones together with a few who for medical reasons have had it deferred for a while.

The immunization given at present are against Diphtheria, Tetanus, Whooping Cough and Smallpox.

Table IV

Clinics	Immunizations			
	Completed	Started but not completed	Not yet started	Total
Six Cross Roads	77	162	82	321
Gall Hill, St. John	28	66	28	122
St. Augustine, St. George ...	42	51	27	120
Charles Rowe Bridge, St. George (Glebe)	9	29	9	47
Kendal, St. John	–	10	8	18
Total:	156	318	154	628
Percentage	24.8	50.6	24.6	

(c) Abnormalities.

None	511
Umbilical (Hernia) ..	101
Others	16

(d) Sleeping Habits.

Sleep with mother ..	521
Sleep in separate cot	80
No information ..	27

(e) Mothers who work away from Home.

Mothers at home ..	503
Mothers away from home	99
No information ..	25

Often certain information is not available because infant is brought up by some one who is not in a position to give the information; e.g. a friend or relative who does not live in the same home.

Infant Mortality Statistics for 1959.

It is impossible at present to work out statistical data for the Southern Area as defined in the Local Public Health Act. This is due to the fact that records are still compiled strictly on a parish basis and the boundary division between the City and Southern area passes through the parishes of St. Michael and Christ Church

However, the data available will give some indication of likely problems. A comparison is attempted between data for 1959 and that for 1957.

Infant Mortality Rate (i.e. number of deaths of infants under 1 year old per thousand live births)

Parish	1959	1957
Christ Church	57.2	83
St. John	59.2	107
St. Philip	62.8	90
St. George	82.8	97
The above four parishes combined	66	–
Whole Island	70.6	87
St. Michael	64.0	–
Northern District	87.7	–

In 1957, of the four parishes being considered, three were worse than the average for the island; while in 1959 only one was worse.

The average for the four parishes together is 5 points better than the average for the *island.*

Some other significant facts from the Infant Mortality Statistics is as follows:–

Total number of infant deaths for year 1959 (i.e. deaths of infants under 1 year) ..	506
Neo-natal Infant deaths (i.e. less than 28 days old)	211
Post-natal Infant deaths (i.e. from 28 days to under 1 year) ..	295

The infant mortality rate has fallen appreciably during the past 5 years from 134 to 71 – a decrease of 63 infant deaths per thousand live births. The neo-natal period accounts for only a decrease by 7 infant deaths per thousand live births.

An analysis of neo-natal mortality statistics for 1959 will show some of the areas in which more emphasis is needed. There are still many deaths from prematurity, tetanus neonatorum, cord infection and cord haemorrhage. Asphyxia neonatorum and birth trauma account for a fair proportion. These specific causes of death are mentioned here, because with some concentration of effort in the right direction we should be able to reduce infant deaths in the categories mentioned.

School Health.

While we cannot boast of having a School Health Service, we are trying to develop more and more this part of our programme. At present the services are as follows: –

(a) Dental Services.

The visiting dental surgeon, Dr. J. Smith, visits the Six Cross Roads Health Centre on Wednesday afternoons when school children attend for extractions.

For the year 1,328 school children had extractions for dental caries. It is hoped that in the near future our programme will include preventive dentistry.

On the same afternoon when school children are seen, expectant mothers also attend for extractions of carious teeth. There were 345 mothers who received attention during the year.

(b) Smallpox Vaccinations.

The vaccination programme which was started in 1958 continued during 1959. There were forty-six (46) visits to schools and 3,651 children were vaccinated. The school visits were as follows:–

Parish	Visits	Vaccinations
Christ Church	19	2,057
St. Philip	12	650
St. George	9	607
St. John	6	337

Including vaccinations of last year, a total of 8,663 school children were vaccinated in the Southern Area.

Work done during these visits included:–

(1) Talks on Health. Special emphasis on Smallpox Vaccination.

(2) Rapid inspection of pupils screened by teachers.

The teachers and parents co-operated very well indeed. Our department would like to express our sincere appreciation for the splendid co-operation given.

Laboratory.

The laboratory work is under the direction and supervision of the Public Health Laboratory Supervisor. Details will be found in his report.

Family Planning Clinic.

The family planning clinic continued as usual with the visiting staff from their headquarters at Enmore.

Attendances recorded are as follows:–

	1959	1958	1957
New cases	51	54	34
Old cases	166	143	93

Total number of Home Visits – 1,035.

Transportation.

The vehicle at the Health Centre did a total of 9,361 miles (an increase of 662 over the total for last year).

Voluntary Workers.

We have received considerable assistance from voluntary workers. Mrs. Peebles has been coming to the Health Centre every week to assist with records. Miss Daphne Sargeant has been assisting in clinical work, on many occasions, more than once a week. Mrs. Moralee, when she was at St. Augustine, assisted every week at the clinic there. Miss Manning has also assisted weekly at the Gall Hill Clinic, St. John.

I wish to express our sincere gratitude to these ladies who have contributed so much in our public health programme.

Health Education.

The Health Education Committee of the Southern Area under the Chairmanship of Rev. E. C. M. Mural has given invaluable support in our Health Education Programme. Monthly meetings were held at the Health Centre; Dr. Cochrane, Medical Officer of Health, Enmore, addressed the Association during the year.

Dr. M. A. Byer, O.B.E., Director of Medical Services gave an address at the First Annual General Meeting of the Association.

Under the auspices of the Association –

(a) The Chief Public Health Inspector of each of our parishes in the Southern Area, in co-operation with the Mobile Cinema Unit of the Department of Education, gave talks in various districts.

(b) Mr. G. L. Gittens, Health Educator, and Chief Public Health Inspector for St. Joseph gave a lecture at the Health Centre.

The Public Health Nurses of our staff held classes for:–

(1) Untrained midwives.
(2) Girls of the Government Industrial School.
(3) Girls of the Princess Margaret Secondary Modern School.

Have given talks and demonstrations to:

(a) The Old Scholars' Association of Bayley's Girls' School.
(b) Parent-Teachers meeting at St. Catherine's Mixed School.
(c) Girls of Domestic Science Class, St. John's Mixed School.
(d) Barbados Rangers – No. 10 Group.
(e) Parents and patients in waiting hall at Centre.

Visitors to the Health Centre.

Visitors to the Health Centre included the following:–

Parliamentary Delegates from abroad who were accompanied by Mr. Luther Thorne, M.C.P.
Miss Adele J. Wint, Health Education Officer, Jamaica, W.I,
Dr. E. H. Back, Senior Lecturer in Paediatrics, U.C.W.I., Jamaica.
Dr. Gatherer, Washington, D.C., United States of America.
10th Barbados Rangers, under Miss Joan Barker.
Miss R. Nita Barrow, Principal Nursing Officer, Jamaica, W.I.
Miss Eva C. Lowe, Assistant Nursing Officer, Jamaica, W.I.
Miss Verna Huffman, Nursing Consultant, World Health Organisation.
Miss Janet L. Thomson, Nursing Consultant, W.H.O., Caracas, Venezuela.
Miss Bronte A. Welsh, Supervisor, Public Health Nursing Services, St. Kitts.
Dr. Geoffry Dixon, Department of Obstetrics, U.C.W.I., Jamaica.
Prof. Eric K. Cruickshank, Professor of Medicine, U.C.W.I., Jamaica.
Prof. John Waterlow, Director of Tropical Metabolism Research Unit of the Medical Research Council – U.C.W.I.

Thanks.

I wish to express my sincere appreciation to the entire staff of the Six Cross Roads Health Centre. There has been great team spirit and due to the splendid co-operation we have been able to make satisfactory progress. The opening of new clinics during the last quarter of the year without any increase in personnel has put a tremendous strain on our staff.

PAROCHIAL ALMSHOUSES

The medical care of the poor in the parishes was efficiently carried out by the District Medical Officers.

NURSING SERVICES

The General Nursing Council functioned throughout the year.

The Barbados Nurses' Association operates an employment bureau and administers a Government Grant of $4,150 under the supervision of the Director of Medical Services.

Part VIII. GENERAL AND COMMUNICABLE DISEASES

Figures in this part of the Report and the statistical tables in the Appendices refer to the calendar year 1959.

General Diseases.

	1959		1958	
	Deaths	% of total Deaths	Deaths	% of total Deaths
Diseases of Circulatory System	499	23.94	551	23.97
Diseases of Early Infancy	266	12.76	344	14.96
Diseases of Respiratory System	219	10.51	250	10.87
Diseases of Nervous System and Sense Organs	204	9.79	190	8.26
Senility and Ill-defined conditions	210	10.08	217	9.44
Cancer and other Tumors	204	9.79	199	9.01
Diseases of Digestive System	141	6.77	159	6.91
Allergic, Endocrine System, Metabolic and nutritional diseases	85	4.08	73	3.18

More detailed information is given in the Appendices to the Report and special attention is drawn to the eight major causes of death as classified under the Intermediate International List of Causes of Death. These Statistics are shown for 1955–1959.

Communicable Diseases.

Enteric Fever. Four (4) cases were reported as compared with 4 in 1958. Of these none died.

Parish	No. of Cases		
	1959	1958	1957
St. Andrew..	–	–	1
Christ Church	–	–	15
St. George	–	–	–
St. James	1	1	4
St. John	–	–	–
St. Joseph	–	–	1
St. Lucy	–	–	–
St. Michael	–	–	17
St. Peter	3	3	–
St. Philip	–	–	1
St. Thomas	–	–	–
	4	4	39

Tuberculosis.

	Whole Island		*St. Michael*		
	Cases Notified	Deaths	Cases Notified	% of whole	Deaths
1958 ..	68	18	43	63.2	6
1959 ..	68	16	44	64.7	13

Diphtheria. No cases were reported during the year. The three Health Centres have had excellent results in their programme for the immunization of infants. Over 90% of the infants attending these centres have been immunized against Diphtheria, Whooping Cough and Tetanus before the age of six (6) months.

Venereal Disesaes. Deaths from Syphilis now account for only 1.2% of total deaths. There were 24 deaths from Syphilis during the year, one death only occurring during the first year of life. This means that congenital syphilis as a cause of death among infants has been almost completely eliminated.

Leprosy. No deaths were recorded. Two cases were notified.

Tetanus. Eighteen deaths were recorded, eight (8) of which occurred in infants under one year of age; all of these infants were delivered under unsatisfactory domiciliary conditions. It is confidently expected that the availability of maternity beds in the proposed District Hospitals will reduce this figure considerably.

Cerebro-spinal Meningitis. No cases. No deaths were reported.

Leptospirosis. No cases were reported.

Poliomyelitis. Six (6) cases were notified.

Malaria. The Colony remained free from Malaria and anopheline mosquitoes were not found. Disinsectisation of schooners and aircraft continues routinely.

Whooping Cough. No deaths occurred.

Details of the incidence of communicable diseases by parishes are available in Appendix V. The parish of St. Michael may be considered as Urban and the remainder Rural.

Part IX. QUARANTINE

No quarantinable diseases were reported during the year.

The ports were maintained free of Aedes Aegypti Mosquitoes throughout the year. Within the port area of the City of Bridgetown regular Rat Control measures were carried out throughout the year.

Part X. GENERAL SANITATION

The main responsibility for sanitation is now placed on the three local government Councils. No changes were necessary in the administration of the Sanitary Department for the City of Bridgetown. The Northern and Southern District Councils however have had to face the difficult task of welding 6 and 4 parochial authorities respectively into one Local Health Authority for each Council.

Already there are indications that a stronger and better department is being formed in these two areas.

Part XI FOOD

SUPPLIES AND NUTRITION

The excellent figures recorded in the section for vital statistics are in NO small measure due to an improved standard of nutrition in the population generally. Increased catches of fish have been made available to the people, and the large sums of money sent back to Barbados by workers who have found employment abroad, have made it possible for the diet of the average family to be improved.

Part XII. SCHOOL NUTRITION PROGRAMME

The supply of skimmed milk and biscuits enriched with Vitamin B has been continued. This supplement is intended to supply those food factors which are known to be deficient in the diets of the children.

Part XIII. SCHOOL HEALTH SERVICES

6,681 children received dental care, and 751 children were treated for visual defects 290 of whom were provided with spectacles.

Part XIV. HEALTH EDUCATION

This is one of the primary functions of the Health Centres. Throughout the year, and at all of the Clinics, no opportunity is lost in bringing to the people who attend the clinics all of the available information on a wide range of health topics.

That this teaching has met with a considerable measure of success, is quite evident. The regular attendances at Ante-natal Clinics, the response to the advice given on immunization programmes for the infants, and the large numbers who attend for blood tests for syphilis, these are indications that patterns of living are being changed.

Classes were arranged for the preparation of public health inspectors for the examinations for the certificate of the Royal Society of Health.

Four (4) persons were selected for training at the West Indies School of Public Health in Jamaica; two were nurses and two public health inspectors.

The World Health Organisation awarded another Fellowship to one of our Public Health Nurses for a course in Public Health Nursing in the United States of America. This is the fourth fellowship awarded to Public Health Nurses from the Health Centres. The value of their fellowships has been very greatly appreciated.

Part XV. W.H.O. PERSONNEL

The department wishes to place on record its great appreciation of the help and advice which it has had from the W.H.O. personnel stationed in Barbados and also from those members of the organisation who have visited the island during the year.

Those stationed in Barbados were:

Mr. Denis Rausch, W.H.O. Sanitarian, – Aedes Campaign.
Mr. Scott Edmonds, W.H.O. Sanitarian.

Part XVI. CONFERENCES

The following attended Conferences during the year:

The Director	– Conference of Directors of Medical Services and Senior Medical Officers held in British Guiana from 5th – 9th April, 1959.
Dr. R. M. Lloyd-Still	– Second Caribbean Conference on Mental Health held in St. Thomas, Virgin Islands, in April, 1959.
Dr. H. McD. Forde Dr. R. A. J. Webb	– Standing Advisory Committee for Medical Research in the British Caribbean held in B.G. from 4th – 8th April.

The Conference on Nursing Administration in the West Indies met in Barbados from August 31 – September 5.

Thirty-four (34) delegates and observers representing the nursing services in the West Indies and Bristish Guiana attended the Conference which was held at the Marine Hotel.

Part XVII. FINANCE

The following financial statement of expenditure and revenue is for the year 1959–60:

	Director of Medical Services	$ 129,167.00
	General Hospital	1,506,100.00
	Mental Hospital	505,075.00
	Lazaretto	45,395.00
	Health Centres	215,248.00
	Maternity Hospital	42,931.00
Grants:		
	Barbados Nurses' Association ..	4,150.00
Revenue:		
	Total Medical Departments	113,252.00

Part XVIII. CONCLUSION

During the year the work of the department has been considerably increased, as better services were made available to a wider section of the population. The number of attendances at all hospitals and clinics, continues to rise steadily, and there has NOT been a correspondingly steady increase in the size of the staff. This means that, in several sections of the Department an increasingly heavy assignment of work has fallen on many willing shoulders.

I wish to thank those who have again put in an excellent year's work for having made it possible for the department to place on record the figures which are contained in this report.

M. A. BYER
Director of Medical Services.

APPENDIX I

ANNUAL REPORT OF THE HEALTH OFFICER (PORT) FOR THE YEAR 1959

Dr. F. N. Grannum

Dr. F. N. Grannum carried out the duties of Health Officer (Port) during the year 1959.

Dr. D. O. S. Payne carried out the duties of Assistant Health Officer (Port) during the year 1959.

Dr. Grannum was granted 11 days duty leave from 22nd November and Dr. E. St.E. Thompson was appointed to act during this period.

SHIPPING

During the year 1959, 1,277 ships were admitted to the port of Bridgetown representing a total nett tonnage of 2,199,124 tons.

This tonnage was apportioned as follows:–

Total Merchant Shipping	– 1,189	– 2,178,566 tons
Others	– 89	– 20,558 tons
Total shipping for year	– 1,277	– 2,199,124 tons

The following table shows the figures for the past five years:

Year	Number of Ships	Nett Tonnage
1955	1,089	2,304,436
1956	1,023	2,166,602
1957	1,090	2,063,689
1958	1,129	2,024,130
1959	1,277	2,199,124

APPENDIX I — *Continued*

Return of Shipping for the year 1959

MERCHANT SHIPPING

Classes of Vessels	Nationality	Number of Vessels	Nett Tonnage
Steam and Motor Vessels ..	British	502	828,802
	Dutch	85	234,360
	French	24	218,321
	Norwegian	57	206,719
	American	28	138,069
	Italian	29	169,774
	German	70	101,935
	Liberian	20	41,218
	Spanish	8	33,204
	Panamanian	6	28,916
	Danish	17	20,989
	Swedish	6	20,722
	Israeli	4	11,498
	Swiss	4	10,664
	Polish	1	7,923
	Honduran	9	5,717
	Finnish	1	1,905
	Canadian	12	1,323
	Costa Rican	1	200
		884	2,082,259
Tankers	Norwegian	19	26,067
	British	11	23,584
	Liberian	3	15,895
	German	13	8,768
	Italian	1	4,298
	Cuban	4	3,041
	Panamanian	1	2,065
		52	83,718
Sailing Vessels	British	245	12,173
	French	6	400
	Danish	1	16
		252	12,589
TOTAL MERCHANT SHIPPING		1,188	2,178,566

APPENDIX I — *Concluded*

Classes of Vessels	Nationality	Number of Vessels	Nett Tonnage
Yachts	British	42	925
	Panamanian	14	953
	Liberian	1	168
	American	9	110
	French	6	72
	Canadian	2	54
	Costa Rican	1	42
	Dutch	2	34
	Spanish	1	8
	Swedish	1	5
	German	1	5
		80	2,376
Naval Ships	American	4	12,958
	British	2	5,000
		6	17,958
Tugs	Dutch	2	210
Motor Launch	British	1	14
TOTAL OTHER SHIPPING		89	20,558
TOTAL MERCHANT SHIPPING		1,188	2,178,566
TOTAL OTHER SHIPPING		89	20,558
TOTAL SHIPPING FOR YEAR 1959		1,277	2,199,124

AIRCRAFT 1959

Nationality	Aircraft
British	2,078
American	772
Canadian	241
French	197
Venezuelan	65
Dutch	61
Brazilian	1
Argentinan	1
TOTAL	3,416

APPENDIX II

CASES OF NOTIFIABLE DISEASES FOR THE YEAR 1959

DISTRIBUTION OF CASES BY PARISHES

DISEASES	St. Michael	Christ Church	St. George	St. Philip	St. John	St. James	St. Thomas	St. Peter	St. Lucy	St. Joseph	St. Andrew	TOTAL
Cerebro-spinal Meningitis	–	–	–	–	–	–	–	–	–	–	–	–
Cholera	–	–	–	–	–	–	–	–	–	–	–	–
Diphtheria	–	–	–	–	–	–	–	–	–	–	–	–
Enteric Fever	–	–	–	–	–	1	–	3	–	–	–	4
Leprosy	1	–	–	–	–	–	1	–	–	–	–	2
Leptospirosis	–	–	–	–	–	–	–	–	–	–	–	–
Plague	–	–	–	–	–	–	–	–	–	–	–	–
Poliomyelitis	2	–	–	–	–	–	2	1	1	–	–	6
Smallpox	–	–	–	–	–	–	–	–	–	–	–	–
Tuberculosis	43	5	4	1	2	2	1	2	2	4	2	68
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–
Yellow Fever	–	–	–	–	–	–	–	–	–	–	–	–

APPENDIX III

BARBADOS.

CAUSES OF DEATHS ARRANGED IN PARISHES BY GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
I.	Infective and Parasitic Diseases	29	16	7	1	4	5	2	1	–	2	–	1	4	–	–	–	–	–	–	–	1	1	47	27	74
II.	Neoplasms	36	64	10	17	5	9	1	6	5	7	3	6	8	3	3	3	1	1	5	7	2	2	79	125	204
III.	Allergic, Endocrine System, Metabolic and Nutritional Diseases	7	24	4	1	3	3	3	2	1	2	1	4	4	3	1	3	2	4	6	5	1	1	33	52	85
IV.	Diseases of the Blood and Blood-forming Organs	1	2	–	1	–	–	–	1	–	–	–	–	1	–	–	–	1	1	–	–	–	–	3	5	8
V.	Mental, Psychocherotic and Personality disorders	1	2	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	2	2	6	8
VI.	Diseases of Nervous System and Sense Organs	47	58	6	7	9	16	3	13	3	1	3	5	5	5	7	4	1	5	1	3	1	1	86	118	204
VII.	Diseases of Circulatory System	101	109	23	34	17	27	11	21	17	15	14	22	2	15	6	13	10	6	8	13	1	14	210	289	499
VIII.	Diseases of Respiratory System	43	42	10	17	12	10	6	6	5	3	6	9	4	9	13	6	5	2	1	–	7	3	112	107	219
IX.	Diseases of Digestive System	33	25	5	8	5	7	3	3	1	4	5	5	8	4	1	6	4	3	4	2	2	3	71	70	141
X.	Diseases of Genito-Urinary System	16	8	3	5	2	1	4	1	1	–	3	1	1	1	–	–	1	1	1	1	2	–	34	19	53
XI.	Deliveries, Complications of Pregnancy, Childbirth and the Puerperium	–	8	–	1	–	–	–	1	–	–	–	1	–	1	–	1	–	1	–	–	–	2	–	16	16
XII.	Diseases of Skin and Cellular Tissues	2	–	1	–	1	1	–	–	3	1	–	–	–	–	–	–	–	1	–	1	–	–	7	4	11
XIII.	Diseases of Bones and Organs of Movement	–	2	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	1	1	1	5	6
XIV.	Congenital Malformations	3	5	2	–	–	–	–	–	–	2	–	–	–	2	–	–	–	–	1	–	–	–	6	9	15
XV.	Certain Diseases of Early Infancy	51	51	18	10	17	7	13	6	4	6	6	11	10	3	9	5	11	6	8	7	4	3	151	115	266
XVI.	Symptons, Senility and Ill-defined Conditions	34	64	7	26	3	6	5	13	2	3	2	4	4	8	5	10	2	6	–	1	3	2	67	143	210
XVII. XVIII.	Accidents, Poisonings and Violence (External Cause) Accidents, Poisonings and Violence (Nature of Injury)	18	7	10	4	5	–	3	2	2	–	2	–	6	–	–	1	–	1	2	–	2	–	50	15	65
	TOTAL, ALL GROUPS	422	487	106	133	83	92	54	77	44	47	45	69	57	54	45	52	39	39	37	40	27	35	959	1,125	2,084

APPENDIX IV

BARBADOS.

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number		CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A	1	Tuberculosis of respiratory system	001–008	7	6	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	8	8	16
A	2	Tuberculosis of meninges and central nervous system	010	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	3	Tuberculosis of intestines, peritoneum and mesenteric glands	011	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	4	Tuberculosis of bones and joints	012, 013	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	5	Tuberculosis, all other forms	014–019	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	6	Congenital syphilis	020	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A	7	Early syphilis	021	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	8	Tabes dorsalis	024	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	9	General paralysis of insane	025	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
A	10	All other syphilis	022, 023 026–029	11	3	2	1	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	15	5	20
A	11	Gonococcal infections	030–035	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	12	Typhoid fever	040	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	13	Paratyphoid fever and other Salmonella infections	041, 042	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	14	Cholera	043	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	15	Brucellosis (undulant fever)	044	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	16	(a) Bacillary dysentery	045	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
		(b) Amoebiasis	046	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
		(c) Other unspecified forms of dysentery ..	047, 048	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
A	17	Scarlet fever	050	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	18	Streptococcal sore throat	051	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	19	Erysipelas	052	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	20	Septicæmia and pyæmia	053	2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	4
A	21	Diphtheria	055	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	22	Whooping cough	056	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	23	Meningococcal infections	057	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	24	Plague	058	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	25	Leprosy	060	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	26	Tetanus	061	6	3	..	..	2	2	1	1	..	1	..	..	1	..	..	..	..	..	..	..	1	..	11	7	18
A	27	Anthrax	062	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	28	Acute poliomyelitis	080	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

APPENDIX IV – *Continued*

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 29	Acute infectious encephalitis	082	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1
A 30	Late effects of acute poliomyelitis and acute infectious encephalitis	081, 083	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 31	Smallpox	084	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 32	Measles	085	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 33	Yellow Fever	091	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 34	Infectious hepatitis	092	2	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	4
A 35	Rabies	094	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 36	Typhus and other Rickettsial diseases	100–108	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 37	Malaria	110–117	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 38	Schistosomiasis	123	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 39	Hydatid disease	125	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 40	Filariasis	127	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 41	Ankylostomiasis	129	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 42	(a) Tapeworm (infestation) and other cestode infestations	126	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Ascariasis	130.0	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1
	(c) Other diseases due to helminths	124, 128 130.1, 130.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 43	(a) Lymphogranuloma venereum	037	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Granuloma inguinale, venereal	038	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Other and unspecified venereal diseases ..	039	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(d) Food poisoning infection and intoxication ..	049	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(e) Relapsing fever	071	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(f) Leptospirosis icterohae morrhagica (Weil's disease)	072	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
	(g) Yaws	073	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(h) Chickenpox	087	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(i) Dengue	090	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(j) Trachoma	095	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(k) Sandfly fever	096.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(l) All other diseases classified as infective and parasitic	110–138	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 44	Malignant neoplasm of buccal cavity and pharynx ..	140–148	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 45	Malignant neoplasm of oesophagus	150	5	8	4	2	..	2	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	10	14	24

APPENDIX IV — *Continued*

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

	Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A	46	Malignant neoplasm of stomach	151	14	10	2	4	1	1	1	1	2	3	..	1	4	..	2	2	1	..	2	2	2	..	31	24	55
A	47	Malignant neoplasm of intestine, except rectum ..	152, 153	..	2	..	..	1	1	..	..	1	1	1	..	..	1	..	..	..	..	..	..	..	..	3	5	8
A	48	Malignant neoplasm of rectum	154	1	1	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	5
A	49	Malignant neoplasm of larynx	161	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A	50	Malignant neoplasm of trachea, and of bronchus and lung not specified as secondary	162, 163	2	1	..	1	..	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	4	3	7
A	51	Malignant neoplasm of breast	170	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	7	7
A	52	Malignant neoplasm of cervix uteri	171	..	15	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	17
A	53	Malignant neoplasm of other and unspecified parts of uterus	172–174	..	5	..	3	..	..	..	1	..	..	..	2	..	..	..	..	..	1	..	2	..	2	..	16	16
A	54	Malignant neoplasm of prostate	177	4	..	..	..	2	..	..	..	1	..	..	..	1	..	..	..	..	..	-	..	..	..	8	..	8
A	55	Malignant neoplasm of skin	190, 191	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A	56	Malignant neoplasm of bone and connective tissue	196, 197	1	1	1	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	3	2	5
A	57	Malignant neoplasm of all other and unspecified sites	155–160, 164, 165, 175, 176, 178–181, 192–195, 198, 199	5	11	3	4	..	3	..	..	..	1	..	3	2	..	..	1	..	..	2	1	..	..	12	24	36
A	58	Leukaemia and aleukæmia	204	1	..	..	..	..	..	..	..	-	..	..	..	..	1	..	..	..	..	..	-	..	..	1	1	2
A	59	Lymphosarcoma and other neoplasms of lymphatic and hæmatopoietic system	200–203, 205	3	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	6	1	7
A	60	Benign neoplasms and neoplasms of unspecified nature	210–239	..	1	..	1	..	..	-	..	..	..	-	..	..	1	..	..	..	..	..	1	..	..	..	4	4
A	61	Nontoxic goiter	250, 251	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	62	Thyrotoxicosis with or without goiter	252	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	63	Diabetes mellitus	260	4	14	2	..	..	2	1	..	-	1	1	3	-	1	..	1	..	..	..	..	..	..	8	22	30
A	64	(a) Beriberi	280	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-	..	..	..	..	..	..	..	..	..	..
		(b) Pellagra	281	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
		(c) Scurvy	282	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(d) Other deficiency states	283–286	3	7	1	..	3	1	1	1	1	1	..	..	4	2	1	..	2	4	6	5	1	..	23	21	44
A	65	(a) Pernicious and other hyperchromic anæmias ..	290	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(b) Iron deficiency anæmias (hypochromic) ..	291	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
		(c) Other specified and unspecified anæmias ..	292, 293	1	2	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	1	..	..	..	..	3	4	7

APPENDIX IV – *Continued*

BARBADOS.

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number		CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A	66	(a) Asthma	241	..	..	1	1	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	1	5	6
		(b) All other allergic disorders, endocrine, metabolic and blood diseases	240, 242–245, 253, 254, 270–277, 287–289, 294–299	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	4	4
A	67	Psychoses	300–309	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	3	3
A	68	Psychoneuroses and disorders of personality ..	310–324	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	2
A	69	Mental deficiency	325	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	2	3
A	70	Vascular lesions affecting central nervous system	330–334	36	47	4	6	7	15	1	10	2	1	2	4	5	5	6	2	1	2	..	3	1	..	65	95	160
A	71	Nonmeningococcal Meningitis	340	2	1	1	..	..	..	1	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	4	4	8
A	72	Multiple sclerosis	345	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A	73	Epilepsy	353	1	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	..	1	..	..	1	4	2	6
A	74	Inflammatory disease of eye	370–379	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	75	Cataract	385	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	76	Glaucoma	387	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	77	(a) Otitis externa	390	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(b) Otitis media and mastoiditis	391–393	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
		(c) Other inflammatory diseases of ear ..	394	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	78	(a) All other diseases and conditions of eye ..	380–384, 386, 388, 389	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(b) All other diseases of the nervous system and sense organs	341–344, 350–352, 354–357, 360–369, 395–398	6	10	1	1	2	..	1	2	1	..	..	..	..	..	..	1	..	2	..	..	..	..	11	16	27
A	79	Rheumatic fever	400–402	..	1	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	3	3
A	80	Chronic rheumatic heart disease	410–416	4	2	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	5	3	8
A	81	Arteriosclerotic and degenerative heart disease ..	420–422	23	23	6	2	9	17	5	12	3	1	8	11	2	5	1	2	3	..	6	9	..	1	66	83	149
A	82	Other diseases of heart	430–434	12	12	2	2	1	..	2	..	..	..	1	1	..	1	1	..	..	..	1	..	..	..	20	16	36
A	83	Hypertension with heart disease	440–443	6	10	..	5	2	1	1	3	1	1	..	..	..	1	..	2	1	1	..	..	..	..	11	24	35
A	84	Hypertension without mention of heart.. ..	444–447	29	17	8	12	1	3	1	4	3	2	3	8	..	2	4	6	5	3	..	2	1	2	55	61	116

BARBADOS.

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number		CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A	85	Diseases of arteries	450–456	24	42	6	12	3	4	2	2	10	10	2	1	..	4	..	2	1	2	1	3	..	11	49	93	142
A	86	Other diseases of circulatory system	460–468	3	2	..	..	1	1	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	4	6	10
A	87	Acute upper respiratory infections	470–475	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	88	Influenza	480–483	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
A	89	Lobar pneumonia	490	9	2	1	1	..	3	1	1	..	2	..	3	2	1	1	1	..	..	..	..	1	1	15	15	30
A	90	Bronchopneumonia	491	24	26	6	10	10	4	3	3	1	1	5	4	2	3	6	4	3	..	1	..	1	1	62	56	118
A	91	Primary atpical, other and unspecified pneumonia	492, 493	2	1	1	2	1	1	1	1	1	..	..	..	..	2	..	..	..	1	..	..	2	..	8	8	16
A	92	Acute bronchitis	500	1	..	..	..	..	..	1	..	1	..	1	1	..	3	4	1	1	..	..	..	..	..	9	5	14
A	93	Bronchitis, chronic and unqualified	501, 502	4	1	1	1	..	2	..	..	2	..	..	..	..	..	1	..	..	..	..	..	2	..	10	4	14
A	94	Hypertrophy of tonsils and adenoids	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	95	Empyema and abscess of lung	518, 521	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	3	..	3
A	96	Pleurisy	519	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A	97	(a) Pneumoconiosis	523	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(b) All other respiratory diseases	511–517, 520–522, 524–527	2	9	..	3	1	..	..	1	..	..	..	1	..	..	1	..	..	1	..	..	1	1	5	16	21
A	98	(a) Dental Caries	530	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(b) All other diseases of teeth and supporting structures	531–535	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	99	Ulcer of stomach	540	2	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	3	1	4
A	100	Ulcer of duodenum	541	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2	1	3
A	101	Gastritis and duodenitis	543	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A	102	Appendicitis	550–553	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
A	103	Intestinal obstruction and hernia	560, 561, 570	3	4	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	6	4	10
A	104	(a) Gastro-enteritis and colitis between 4 weeks and 2 years	571.0	12	10	3	7	5	7	1	1	1	2	2	4	3	3	1	4	2	1	3	1	1	2	34	42	76
		(b) Gastro-enteritis and colitis, ages 2 years and over	571.1	2	3	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	4	4	8
		(c) Chronic enteritis and ulcerative colitis ..	572	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	105	Cirrhosis of liver	581	3	1	..	..	..	..	..	1	..	..	..	..	2	..	..	2	..	..	..	..	..	..	5	4	9
A	106	Cholelithiasis and cholecystitis	584, 585	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

APPENDIX IV – *Continued*

BARBADOS.

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

	Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A	107	Other diseases of digestive system	536–539, 542, 544, 545, 573 580, 582, 583, 586, 587	8	4	1	1	..	..	..	..	..	2	..	1	1	..	..	..	2	2	1	1	1	1	14	12	26
A	108	Acute nephritis	590	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
A	109	Chronic, other and unspecified nephritis ..	591–594	2	2	..	2	1	..	1	..	..	..	2	..	..	1	..	..	..	1	1	1	1	..	8	7	15
A	110	Infections of kidney	600	1	1	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	5
A	111	Calculi of urinary system	602, 604	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
A	112	Hyperplasia of prostate	610	6	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	10	..	10
A	113	Diseases of breast	620, 621	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	114	(a) Hydrocele	613	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(b) Disorders of menstruation	634	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3
		(c) All other diseases of the genito-urinary system	601, 603, 605–609, 611, 612 614–617, 622–633, 635 –637	4	2	2	2	1	..	1	1	1	..	1	1	..	..	..	..	..	..	..	..	..	..	10	6	16
A	115	Sepsis of pregnancy, childbirth and the puerperium	640–641 681, 682, 684	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	116	Toxæmias of pregnancy the puerperium ..	642, 652, 685, 686	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	2	2
A	117	Haemorrhage of pregnancy and childbirth ..	670–672 643, 644	..	1	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	5	5
A	118	Abortion without mention of sepsis or toxæmia ..	650	..	2	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	4	4
A	119	Abortion with sepsis	651	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
A	120	(a) Other complications of pregnancy, childbirth and the puerperium	645–649 673–680, 683 687–689	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3
		(b) Delivery without complications	660	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 121	Infections of skin and subcutaneous tissue ..	690–698	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	.1	1	2
A 122	Arthritis and spondylitis	720–725	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	1	1	4	5
A 123	Muscular Rheumatism and rheumatism unspecified	726–727	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 124	Osteomyelitis and periostitis	730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 125	Ankylosis and acquired musculo-skeletal deformities	737, 745–749	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 126	(a) Chronic Ulcer of Skin (including tropical ulcer)	715	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	3	1	4
	(b) All other diseases of skin	700–714, 716	..	..	..	..	1	..	..	..	2	1	..	..	..	..	..	..	..	1	..	..	..	..	3	2	5
	(c) All other diseases of musculo-skeletal system	731–736, 738–744	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 127	Spina bifida and meningocele	751	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 128	Congenital malformations of circulatory system ..	754	2	3	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	2	5	7
A 129	All other congenital malformations	750, 752, 753 755–759	1	2	2	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	..	..	4	4	8
A 130	Birth injuries	760, 761	2	2	..	1	3	1	3	2	..	1	..	..	1	..	..	..	..	..	2	..	..	..	13	7	20
A 131	Postnatal asphyxia and atelectasis	762	3	3	2	1	2	2	..	1	..	..	..	..	2	..	1	1	3	..	1	..	..	..	12	8	20
A 132	(a) Diarrhoea of newborn (under 4 weeks) ..	764	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..	2	1	3
	(b) Ophthalmia neonatorum	765	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Other infections of newborn	763, 766–768	5	1	..	1	..	1	3	1	..	2	..	..	1	..	..	..	2	1	..	..	..	..	11	7	18
A 133	Haemolytic disease of newborn	770	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	1	3
A 134	All other defined diseases of early infancy ..	769, 771, 772	1	5	5	2	5	1	3	..	1	1	..	..	..	1	3	1	1	2	2	2	2	2	23	17	40
A 135	Ill-defined diseases peculiar to early infancy, and immaturity unqualified	773, 776	39	40	11	4	7	2	4	2	2	2	5	11	6	2	5	2	4	3	2	5	3	1	88	74	162
A 136	Senility without mention of psychosis ..	794	12	47	7	22	1	4	5	10	1	2	1	2	1	5	3	8	1	6	..	..	..	..	32	106	138
A 137	(a) Pyrexia of unknown origin	788–8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Observation, without need for further medical care	793	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) All other ill-defined causes of morbidity ..	780–787 788.1–788.7 788.9 789–792 795	22	17	..	5	2	2	3	3	1	1	1	2	3	3	2	2	1	..	1	..	2	2	35	37	72

APPENDIX IV – *Continued*

BARBADOS.

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number		CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
		"E" CODE. ALTERNATIVE CLASSIFICATION OF ACCIDENTS, POISONINGS, AND VIOLENCE (EXTERNAL CAUSE)																										
AE	138	Motor vehicle accidents	E810–835	7	1	2	1	2	..	2	..	1	..	1	..	1	..	..	..	..	..	..	..	1	..	17	2	19
AE	139	Other transport accidents	E800–802 E840–866	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
AE	140	Accidental poisoning	E870–895	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
AE	141	Accidental falls	E900–904	..	1	..	2	..	..	1	1	..	..	..	..	2	..	..	..	..	..	1	..	..	..	2	4	6
AE	142	Accident caused by machinery	E912	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
AE	143	Accident caused by fire and explosion of combustible material	E916	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1
AE	144	Accident caused by hot substance, corrosive liquid, steam and radiation	E917, 918	..	1	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	3	1	4
AE	145	Accident caused by firearm	E919	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
AE	146	Accidental drowning and submersion.. ..	E929	3	3	3	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	9	4	13
AE	147	Foreign body entering eye and adnexa ..	E920	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Foreign body entering other orifice	E923	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
		Accidents caused by bites and stings of venomous animals and insects	E927	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
AE		Other accidents caused by animals	E928	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		All other accidental cause	E910–911, E913–915 E921–922, E924–926 E930–965	3	1	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	5	2	7
AE	148	Suicide and self-inflicted Injury	E970–979	1	..	1	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	5	..	5
AE	149	Homicide and injury purposely inflicted by other persons (not in war)	E980–985	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	1	..	4	1	5
AE	150	Injury resulting from operations of war ..	E990–999	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		TOTAL NUMBER OF DEATHS		422	487	106	133	83	92	54	77	44	47	45	69	57	54	45	52	39	39	37	40	27	35	959	1,125	2,084

APPENDIX V

CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9 Years		10–14 Years		15–19 Years		20–24 Years		25–29 Years		30–34 Years		35–39 Years		40–44 Years		45–49 Years		50–54 Years		55–59 Years		60–64 Years		65–69 Years		70–74 Years		75–79 Years		80–84 Years		85 and Over		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 1	Tuberculosis of respiratory system	001–008	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	..	1	..	2	..	1	1	..	..	..	1	..	..	2	3	..	1	..	..	..	1	..	..	..	..	..	8	8	16
A 2	Tuberculosis of meninges and central nervous system	010	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 3	Tuberculosis of intestines, peritoneum and mesenteric glands	011	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 4	Tuberculosis of bones and joints	012, 013	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 5	Tuberculosis, all other forms	014–019	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 6	Congenital syphilis	020	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A 7	Early syphilis	021	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 8	Tabes dorsalis	024	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 9	General paralysis of insane	025	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	2	2
A 10	All other syphilis	022, 023 026–029	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	1	1	2	..	1	1	2	1	1	1	2	1	1	..	1	..	1	..	15	5	20
A 11	Gonococcal infections	030–035	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 12	Typhoid fever	040	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 13	Paratyphoid fever and other Salmonella infections	041, 042	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 14	Cholera	043	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 15	Brucellosis (undulant fever)	044	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 16	(a) Bacillary dysentery	045	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1	2
	(b) Amoebiasis	046	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1
	(c) Other unspecified forms of dysentery	047, 048	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1
A 17	Scarlet fever	050	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 18	Streptococcal sore throat	051	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 19	Erysipelas	052	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 20	Septicaemia and pyaemia	053	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	3	1	4
A 21	Diphtheria	055	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 22	Whooping cough	056	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 23	Meningococcal infections	057	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 24	Plague	058	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 25	Leprosy	060	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 26	Tetanus	061	5	3	..	..	..	..	..	..	..	..	2	..	1	..	1	..	1	..	..	1	..	1	..	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	11	7	18
A 27	Anthrax	062	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 28	Acute poliomyelitis	080	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 29	Acute infectious encephalitis	082	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1

APPENDIX V — *Continued*

CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number		CAUSE GROUPS	Detailed List Numbers	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9 Years		10–14 Years		15–19 Years		20–24 Years		25–29 Years		30–34 Years		35–39 Years		40–44 Years		45–49 Years		50–54 Years		55–59 Years		60–64 Years		65–69 Years		70–74 Years		75–79 Years		80–85 Years		85 and Over		Total		
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A	30	Late effects of acute poliomyelitis and acute infectious encephalitis	081, 083	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	31	Smallpox	084	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	32	Measles	085	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	33	Yellow fever	091	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	34	Infectious hepatitis	092	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	3	1	4
A	35	Rabies	094	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	36	Typhus and other Rickettsial diseases	100–108	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	37	Malaria	110–117	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	38	Schistosomiasis	123	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	39	Hydatid disease	125	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	40	Filariasis	127	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	41	Ankylostomiasis	129	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	42	(a) Tapeworm (infectation) and other cestode infestations	126	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(b) Ascariasis	130.0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
		(c) Other diseases due to helminths	124, 128 130.1, 130.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	43	(a) Lymphogranuloma venereum	037	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(b) Granuloma inguinale, venereal	038	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(c) Other and unspecified venereal diseases ..	039	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(d) Food poisoning infection and intoxication ..	049	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(e) Relapsing fever	071	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(f) Leptospirosis icterohæmorrhagica (Weil's disease)	072	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
		(g) Yaws	073	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(h) Chickenpox	087	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(i) Dengue	090	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(j) Trachoma	095	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(k) Sandfly fever	096.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(l) All other diseases classified as infective and parasitic	110–138	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A	44	Malignant neoplasm of buccal cavity and pharynx	140–148	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1

APPENDIX V – *Continued*

CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9 Years		10–14 Years		15–19 Years		20–24 Years		25–29 Years		30–34 Years		35–39 Years		40–44 Years		45–49 Years		50–54 Years		55–59 Years		60–64 Years		65–69 Years		70–74 Years		75–79 Years		80–85 Years		85 and Over		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 45	Malignant neoplasm of oesophagus	150	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	3	1	1	1	3	3	2	..	1	1	2	1	..	1	..	10	14	24
A 46	Malignant neoplasm of stomach	151																									2	..	8	3	..	..	2	6	4	1	2	5	3	3	5	3	3	2	2	1	31	24	55
A 47	Malignant neoplasm of intestine, except rectum	152, 153	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	1	..	1	1	1	..	..	..	1	3	5	8
A 48	Malignant neoplasm of rectum	154	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	2	..	1	..	..	1	4	5
A 49	Malignant neoplasm of larynx	161	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 50	Malignant neoplasm of trachea, and of bronchus and lung not specified as secondary	162, 163	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	..	1	1	..	..	..	2	..	..	..	..	4	3	7
A 51	Malignant neoplasm of breast	170	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	7	7
A 52	Malignant neoplasm of cervix uteri	171	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	2	..	2	..	2	..	1	..	2	..	3	..	2	..	..	..	..	..	1	..	17	17
A 53	Malignant neoplasm of other and unspecified parts of uterus	172–174	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2	..	..	..	3	..	4	..	1	..	2	..	1	..	..	..	1	..	16	16
A 54	Malignant neoplasm of prostate	177	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	3	..	..	..	1	..	1	..	1	..	..	..	8	..	8
A 55	Malignant neoplasm of skin	190, 191	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1
A 56	Malignant neoplasm of bone and connective tissue	196, 197	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	1	3	2	5
A 57	Malignant neoplasm of all other and unspecified sites	155–160, 164, 165, 175, 176, 178–181, 192–195, 198, 199	..	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	..	..	2	1	1	2	..	2	4	1	5	1	2	2	..	..	3	..	..	1	..	..	1	1	3	12	24	36
A 58	Leukaemia and aleukaemia	204	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A 59	Lymphosarcoma and other neoplasms of lymphatic and haematopoietic system	205 200–203	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	1	..	..	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	6	1	7
A 60	Benign neoplasms and neoplasms of unspecified nature	210–239	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	4	4
A 61	Nontoxic goiter	250, 251	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 62	Thyrotoxicosis with or without goiter	252	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 63	Diabetes mellitus	260	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	2	1	3	2	..	2	4	..	1	..	6	..	4	..	1	8	22	30
A 64	(a) Beriberi	280	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Pellagra	281	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1
	(c) Scurvy	282	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(d) Other deficiency states	283–286	13	14	8	4	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	23	21	44

APPENDIX V — *Continued*

CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9 Years		10–14 Years		15–19 Years		20–24 Years		25–29 Years		30–34 Years		35–39 Years		40–44 Years		45–49 Years		50–54 Years		55–59 Years		60–64 Years		65–69 Years		70–74 Years		75–79 Years		80–85 Years		85 and Over		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 65	(a) Pernicious and other hyperchromic anæmias ..	290	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Iron deficiency anæmias (hypochromic) ..	291	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
	(c) Other specified and unspecified anæmias ..	292, 293	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	3	4	7
A 66	(a) Asthma	241	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	..	..	..	1	5	6
	(b) All other allergic disorders, endocrine, metabolic and blood diseases	240, 242–245, 253, 254, 270–277, 287–289, 294–299	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	4	4
A 67	Psychoses	300–309	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	3	3
A 68	Psychoneuroses and disorders of personality ..	310–324	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	2
A 69	Mental deficiency	325	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3
A 70	Vascular lesions affecting central nervous system	330–334	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	..	3	5	4	4	9	5	6	7	12	10	6	8	7	14	3	13	6	17	6	11	65*	95	160*
A 71	Nonmeningococcal Meningitis	340	3	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4	8
A 72	Multiple sclerosis	345	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A 73	Epilepsy	353	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4	2	6
A 74	Inflammatory diseases of eye	370–379	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 75	Cataract	385	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 76	Glaucoma	387	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 77	(a) Otitis externa	390	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Otitis media and mastoiditis	391–393	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
	(c) Other inflammatory diseases of ear	394	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 78	(a) All other diseases and conditions of eye ..	380–384 386, 388, 389	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) All other diseases of the nervous system and sense organs	341–344, 350–352 354–357 360–369 395–398	3	4	..	..	..	2	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	1	1	..	1	1	1	2	1	..	1	1	..	..	1	1	11	16	27
A 79	Rheumatic fever	400–402	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3
A 80	Chronic rheumatic heart disease	410–416	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	1	..	..	..	..	..	5	3	8
A 81	Arteriosclerotic and degenerative heart disease ..	420–422	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	..	2	..	5	1	2	4	5	..	10	5	11	8	7	12	10	17	6	11	6	23	66	83	149

APPENDIX V – *Continued*

CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9 Years		10–14 Years		15–19 Years		20–24 Years		25–29 Years		30–34 Years		35–39 Years		40–44 Years		45–49 Years		50–54 Years		55–59 Years		60–64 Years		65–69 Years		70–74 Years		75–79 Years		80–85 Years		85 and Over		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 82	Other diseases of heart	430–434	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	1	1	..	..	..	3	2	1	1	5	..	..	2	1	3	5	2	..	4	20	16	36
A 83	Hypertension with heart disease	440–443	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	..	..	2	..	2	1	3	4	4	1	4	1	1	1	..	6	9	24	33
A 84	Hypertension without mention of heart ..	444–447	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	1	..	2	..	4	1	4	5	10	7	13	8	2	11	5	10	6	4	5	9	1	5	55	61•	116•
A 85	Diseases of arteries	450–456	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	3	2	3	3	5	5	6	7	11	11	9	17	7	26	4	20	49	93	142
A 86	Other diseases of circulatory system ..	460–468	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	1	..	..	..	1	1	..	..	..	2	1	..	1	..	..	..	..	..	..	4	6	10
A 87	Acute upper respiratory infections	470–475	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 88	Influenza	480–483	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	–	2	2
A 89	Lobar pneumonia	490	6	6	2	1	..	..	..	..	..	..	..	2	..	..	..	..	..	1	1	..	..	1	..	..	2	..	..	..	..	..	..	..	1	..	..	1	..	1	..	1	1	1	2	..	15	15	30
A 90	Bronchopneumonia	491	27	20	14	4	4	3	1	1	1	..	4	3	..	..	..	..	..	..	..	..	..	..	2	3	..	..	..	..	..	1	2	2	..	1	1	1	2	7	..	2	3	6	1	2	62	56	118
A 91	Primary atypical, other and unspecified pneumonia	492, 493	4	1	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	1	..	..	2	..	1	..	8	8	16
A 92	Acute bronchitis	500	5	3	3	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9	5	14
A 93	Bronchitis, chronic and unqualified	501, 502	5	3	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	10	4	14
A 94	Hypertrophy of tonsils and adenoids	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 95	Empyema and abscess of lung	518, 521	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3
A 96	Pleurisy	519	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 97	(a) Pneumoconiosis	523	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) All other respiratory diseases	511–517 520–522 524–527	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	3	..	..	..	3	1	..	..	..	3	3	..	2	..	1	..	..	5	16	21
A 98	(a) Dental Caries	530	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) All other diseases of teeth and supporting structures	531–535	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 90	Ulcer of stomach	540	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2	..	..	..	..	..	..	..	..	..	..	..	3	1	4
A 100	Ulcer of duodenum	541	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2	1	3
A 101	Gastritis and duodenitis	543	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A 102	Appendicitis	550–553	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	1	3
A 103	Intestinal obstruction and hernia	560–561 570	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..	1	..	..	1	1	..	..	..	..	6	4	10
A 104	(a) Gastro-enteritis and colitis between 4 weeks and 2 years	571.0	31	34	3	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34	42	76
	(b) Gastro-enteritis and colitis, ages 2 years and over	571.1	..	..	..	..	1	1	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..	4	4	8
	(c) Chronic enteritis and ulcerative colitis ..	572	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

APPENDIX V – *Continued*

CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9 Years		10–14 Years		15–19 Years		20–24 Years		25–29 Years		30–34 Years		35–39 Years		40–44 Years		45–49 Years		50–54 Years		55–59 Years		60–64 Years		65–69 Years		70–74 Years		75–79 Years		80–85 Years		85 and Over		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 105	Cirrhosis of liver	581	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2	1	1	..	..	..	..	2	1	..	..	..	1	..	..	..	..	..	..	..	5	4	9
A 106	Cholelithiasis and cholecystitis	584, 585	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 107	Other diseases of digestive system	536–539 542, 544, 545, 573 580, 582, 583, 586, 587	4	3	1	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1	2	..	1	1	2	1	..	1	1	2	..	..	1	1	..	..	14	12	26
A 108	Acute nephritis	590	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	1	3
A 109	Chronic, other and unspecified nephritis ..	591–594	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	1	..	1	1	..	..	..	..	..	..	..	3	..	1	1	1	1	8	7	15
A 110	Infections of kidney	600	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	3	2	5
A 111	Calculi of urinary system	602, 604	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
A 112	Hyperplasia of prostrate	610	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2	..	2	..	1	..	3	..	10	..	10
A 113	Diseases of breast	620, 621	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 114	(a) Hydrocele	613	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Disorders of menstruation	634	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3
	(c) All other diseases of the genito-urinary system	601, 603 605–609, 611, 612, 614–617, 622–633, 635–637	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	2	..	..	1	..	..	..	1	..	1	1	..	..	1	..	2	..	1	..	1	..	10	6	16
A 115	Sepsis of pregnancy, childbirth and the puerperium	640–641 681, 682, 684	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 116	Toxaemias of pregnancy and the puerperium ..	642, 652, 685, 686,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
A 117	Haemorrhage of pregnancy and childbirth ..	643, 644 670–672	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	5
A 118	Abortion without mention of sepsis or toxaemia	650	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4
A 119	Abortion with sepsis	651	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2

CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9 Years		10–14 Years		15–19 Years		20–24 Years		25–29 Years		30–34 Years		35–39 Years		40–44 Years		45–49 Years		50–54 Years		55–59 Years		60–64 Years		65–69 Years		70–74 Years		75–79 Years		80–85 Years		85 and Over		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 120	(a) Other complications of pregnancy, childbirth and the puerperium	645–649 673–680, 683 687–689	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3
	(b) Delivery without complications	660	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 121	Infections of skin and subcutaneous tissue ..	690–698	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	2
A 122	Arthritis and spondylitis	720–725	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	4	5
A 123	Muscular Rheumatism and rheumatism unspecified	726–727	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 124	Osteomyelitis and periostitis	730	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 125	Ankylosis and acquired musculo-skeletal deformities	737, 745–749	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 126	(a) Chronic Ulcer of Skin (including tropical ulcer)	715	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	1	..	1	..	3	1	4
	(b) All other diseases of skin	700–714, 716	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	5
	(c) All other diseases of musculo-skeletal system	731–736, 738–744	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 127	Spina bifida and meningocele	751	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 128	Congenital malformations of circulatory system..	754	2	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	2	5	7
A 129	All other congenital malformations	750, 752, 753, 755–759	4	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4	8
A 130	Birth injuries	760, 761	13	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13	7	20
A 131	Postnatal asphyxia and atelectasis	762	12	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	8	20
A 132	(a) Diarrhoea of newborn (under 4 weeks) ..	764	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
	(b) Ophthalmia neonatorum	765	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Other infections of newborn	763, 766–768	11	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	7	18
A 133	Haemolytic disease of newborn	770	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
A 134	All other defined diseases of early infancy ..	769, 771, 772	23	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23	17	40
A 135	Ill-defined diseases peculiar to early infancy, and immaturity unqualified	773, 776	88	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	88	74	162

APPENDIX V — *Continued*

CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9 Years		10–14 Years		15–19 Years		20–24 Years		25–29 Years		30–34 Years		35–39 Years		40–44 Years		45–49 Years		50–54 Years		55–59 Years		60–64 Years		65–69 Years		70–74 Years		75–79 Years		80–85 Years		85 and Over		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 136	Senility without mention of psychosis ..	794	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	11	7	21	7	32	16	40	32	106	138
A 137	(a) Pyrexia of unknown origin	788.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Observation, without need for further medical care	793	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) All other ill-defined causes of morbidity ..	780–787 788.1-788.7 788.9 789–792, 795	..	1	5	3	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	1	1	..	3	1	3	2	3	6	3	..	5	5	4	3	5	4	..	3	1	4	1	4	35	37	72
	"E" CODE. ALTERNATIVE CLASSIFICATION OF ACCIDENTS, POISONINGS, AND VIOLENCE (EXTERNAL CAUSE)																																																
AE 138	Motor vehicle accidents	E810–835	..	..	..	..	..	..	..	..	2	..	2	..	1	..	3	..	2	..	3	..	1	..	..	..	1	..	1	..	..	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	17	2	19
AE 139	Other transport accidents	E800–802 E840–866	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
AE 140	Accidental poisoning	E870–895	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2	..	2
AE 141	Accidental falls	E900–904	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	2	..	..	..	2	2	4	6
AE 142	Accident caused by machinery	E912	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
AE 143	Accident caused by fire and explosion of combustible material	E916	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
AE 144	Accident caused by hot substance, corrosive liquid, steam and radiation	E917, 918	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	3	1	4
AE 145	Accident caused by firearm	E919	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
AE 146	Accidental drowning and submersion ..	E929	..	..	..	..	..	1	..	..	1	..	1	..	1	..	..	1	2	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	2	1	1	..	..	..	..	..	..	..	..	..	9	4	13
AE 147	Foreign body entering eye and adnexa ..	E920	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Foreign body entering other orifice ..	E923	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
	Accidents caused by bites and stings of venomous animals and insects	E927	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Other accidents caused by animals ..	E928	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	All other accidental causes	E910–911, E913–915 E921–922, E924–926 E930–965		1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	2	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	5	2	7

APPENDIX V – *Concluded*

CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9 Years		10–14 Years		15–19 Years		20–24 Years		25–29 Years		30–34 Years		35–39 Years		40–44 Years		45–49 Years		50–54 Years		55–59 Years		60–64 Years		65–69 Years		70–74 Years		75–79 Years		80–85 Years		85 and Over		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
AE 148	Suicide and self-inflicted Injury	E970–979	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	5
AE 149	Homicide and injury purposely inflicted by other person (not in war)	E980–985	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	4	1	5
AE 150	Injury resulting from operations of war ..	E990–999	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	TOTAL NUMBER OF DEATHS		277	299	40	25	13	10	2	5	5	1	16	11	6	4	13	6	11	9	12	14	11	26	15	13	31	20	49	40	37	51	59	56	82	60	52	77	63	100	60	112	55	124	50	132	959	2.08	

APPENDIX VI

MAJOR CAUSES OF DEATH IN ACCORDANCE WITH THE INTERMEDIATE INTERNATIONAL LIST OF CAUSES OF DEATH

1959

Estimated Population: Urban – (Bridgetwon, St. Michael) .. 92,870
Rural – 147,929

CLASSIFICATION	Total No. of Deaths	Urban Deaths	Per 100,000	
			Urban Rate	Rural Rate
VII Circulatory System	499	210	226	110
XV Early Infancy	266	102	110	111
VIII Respiratory System	219	85	92	91
XVI Senility and Ill-defined Conditions..	210	98	106	76
II Neoplasms	204	105	113	67
VI Diseases of Nervous System and Sense Organs	204	100	108	70
IX Diseases of Digestive System ..	141	58	62	56
III Allergic, Endocrine System, Metabolic and Nutritional Diseases ..	85	31	33	37

APPENDIX VII

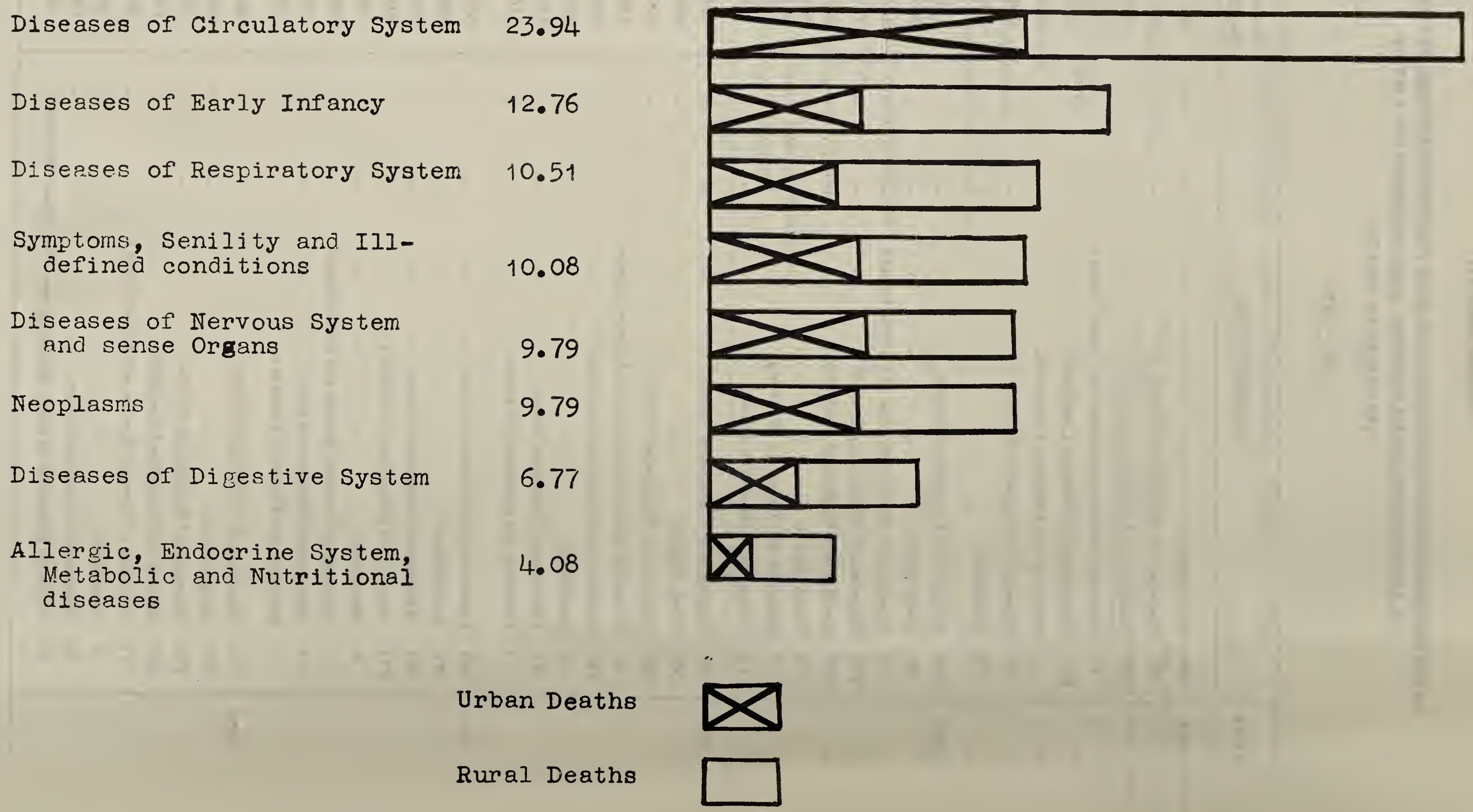
MAJOR CAUSES OF DEATH IN ACCORDANCE WITH THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES OF DEATH

1955 – 1959

YEAR	CLASSIFICATION		No. of Deaths	% of Total Deaths
1955	XV	Early Infancy	567	19.63
	VII	Diseases of Circulatory System	420	14.54
	VIII	Diseases of Respiratory System	390	13.50
	VI	Diseases of Nervous System and Sense Organs	318	11.01
	XVI	Senility and Ill-defined Conditions	259	8.97
	I	Infective and Parasitic Diseases	229	7.90
	IX	Diseases of Digestive System	228	7.89
	II	Neoplasms	218	7.55
1956	VII	Diseases of Circulatory System	441	18.15
	XV	Early Infancy	366	15.06
	VI	Diseases of Nervous System and Sense Organs	339	13.95
	VIII	Diseases of Respiratory System	255	10.49
	XVI	Senility and Ill-defined conditions	235	9.67
	II	Neoplasms	209	8.60
	I	Infective and Parasitic Diseases	172	7.08
	IX	Diseases of Digestive System	141	5.80
1957	VII	Diseases of Circulatory System	563	22.68
	XV	Early Infancy	366	14.82
	VIII	Diseases of Respiratory System	300	12.15
	VI	Diseases of Nervous System and Sense Organs	240	9.72
	XVI	Senility and Ill-defined Conditions	238	9.64
	II	Neoplasms	207	8.38
	IX	Diseases of Digestive System	144	5.83
	I	Infective and Parasitic Diseases	116	4.70
1958	VII	Diseases of Circulatory System	551	23.97
	XV	Early Infancy	346	14.96
	VIII	Diseases of Respiratory System	250	10.87
	XVI	Senility and Ill-defined Conditions	216	9.44
	II	Neoplasms	199	9.01
	VI	Diseases of Nervous System and Sense Organs	190	8.26
	IX	Diseases of Digestive System	159	6.91
	I	Infective and Parasitic Diseases	119	5.17
1959	VII	Diseases of Circulatory System	499	23.94
	XV	Early Infancy	266	12.76
	VIII	Diseases of Respiratory System	219	10.51
	XVI	Senility and Ill-defined Conditions	210	10.08
	VI	Diseases of Nervous System and Sense Organs	204	9.79
	II	Neoplasms	204	9.79
	IX	Diseases of Digestive System	141	6.77
	III	Allergic, Endocrine System, Metabolic and Nutritional Diseases	85	4.08

APPENDIX VIII

PRINCIPAL CAUSES OF DEATH AS A PERCENTAGE OF TOTAL DEATHS 1959



APPENDIX IX

CAUSES OF DEATHS OF INFANTS UNDER 1 YEAR ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES.

Intermediate List Number	CAUSE GROUPS	Detailed List Number	Under 1 Day		1 Day		2 Days		3 Days		4 Days		5 Days		6 Days		7–13 Days		14–20 Days		21–28 Days		Total Under 28 Days		28 Days to 2 Months		2 Months		3 Months		4 Months		5 Months		6 Months		7 Months		8 Months		9 Months		10 Months		11 Months		Total Under 1 Year		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 6	Congenital Syphilis	020	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
A 20	Septicaemia and Pyaemia	053	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
A 26	Tetanus	061	..	..	..	..	..	..	1	..	..	..	..	..	..	2	3	1	..	..	..	..	4	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	3	8
A 29	Acute Infectious Encephalitis	082	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1
A 42	(c) Other diseases due to helminths	124,128 130.1, 130.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
A 57	Malignant neoplasms of all other & unspecified sites	155–160 164, 165 175, 176 178–181 192–195 198, 199	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 63	Diabetes Mellitus	260	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1
A 64	(d) Other deficiency states	283–286	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	1	..	1	1	3	1	1	2	..	1	2	2	..	2	..	1	..	1	1	1	3	1	13	14	27
A 65	(c) Other specified and unspecified anaemias	292, 293	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1
A 66	(b) All other Allergic disorders, endocrine metabolic and blood diseases	240 242–245 253–254 270–277 287–289 294–299	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 69	Mental deficiency	325	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 71	Non-meningococcal meningitis	340	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	1	3	1	4
A 73	Epilepsy	353	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 77	(b) Otitis media and mastoiditis	391–393	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	—	1
A 78	(b) All other diseases of the Nervous System and sense organs	341–344 350–352 354–357 360–369 395–398	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	1	1	1	..	..	1	..	..	..	1	..	..	..	..	3	4	7
A 81	Arteriosclerotic and degenerative heart disease	420–422	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—	1	1
A 82	Other diseases of heart	430–434	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	—	1	1
A 88	Influenza	480–483	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	—	1	1
A 89	Lobar pneumonia	490	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	1	1	1	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	1	6	6	12

APPENDIX IX – *Continued*

CAUSES OF DEATHS OF INFANTS UNDER 1 YEAR ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES.

Intermediate List Number	CAUSE GROUPS	Detailed List Number	Under 1 Day		1 Day		2 Days		3 Days		4 Days		5 Days		6 Days		7–13 Days		14–20 Days		21–28 Days		Total Under 28 Days		28 Days to 2 Months		2 Months		3 Months		4 Months		5 Months		6 Months		7 Months		8 Months		9 Months		10 Months		11 Months		Total Under 1 Year		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 90	Bronchopneumonia	491	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	3	2	4	6	3	1	3	1	4	4	..	..	5	2	4	1	..	1	..	1	29	20	49
A 91	Primary atypical, Other and unspecified pneumonia	492, 493	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	1	..	..	..	1	..	..	..	..	..	..	..	4	1	5
A 92	Acute Bronchitis	500	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	1	2	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	5	3	8
A 93	Bronchitis, chronic and unqualified	501, 502	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	1	..	..	1	..	..	..	1	..	..	..	1	..	..	1	..	..	5	3	8
A 97	(b) All other Respiratory diseases	511–517 520–522 524–527	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	–	2	2
A 101	Gastritis and duodenitis	543	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	1	2
A 102	Appendicitis	550–553	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	–	1
A 103	Intestinal Obstruction and hernia	560, 561 570	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A 104	(a) Gastro-enteritis and colitis between 4 weeks and 2 years	571.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	3	6	5	5	1	3	4	1	1	6	6	2	3	7	2	2	2	..	1	..	31	34	65
A 107	Other diseases of digestive system	536–539 542, 544 545, 573 580, 582 583, 586 587	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	1	..	1	..	..	1	1	..	..	..	..	..	..	..	4	3	7
A 109	Chronic, other and unspecified Nephritis ..	591–594	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	–	1
A 110	Infections of Kidneys	600	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	–	1	1
A 114	(c) All other diseases of the genito-urinary system	601,603 605–609 611, 612 614–617 622–633 635–637	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	–	1
A 122	Arthritis and spondylitis	720–725	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	–	1
A 126	(b) All other diseases of skin	700–714 716	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	2
1 127	Spina bifida and Meningocele	751	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	2	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	2	4	6

APPENDIX IX – *Concluded*

CAUSES OF DEATHS OF INFANTS UNDER 1 YEAR ARRANGED IN AGE GROUPS FOR THE YEAR 1959 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES.

Intermediate List Number	CAUSE GROUPS	Detailed List Number	Under 1 Day		1 Day		2 Days		3 Days		4 Days		5 Days		6 Days		7–13 Days		14–20 Days		21–28 Days		Total Under 28 Days		28 Days to 2 Months		2 Months		3 Months		4 Months		5 Months		6 Months		7 Months		8 Months		9 Months		10 Months		11 Months		Total Under 1 Year		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
A 128	Congenital malformations of Circulatory system ...	754	1	..	..	..	1	..	..	..	..	..	..	2	..	..	..	..	..	..	1	..	3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	2	6
A 129	All other Congenital Malformations	750–752 753 755–759	4	3	3	..	2	..	..	..	1	..	1	..	1	1	..	1	1	1	..	1	13	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13	7	20
A 130	Birth Injuries	760, 761	5	6	5	1	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	12	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	8	20
A 131	Postnatal asphyxia and atelectasis	762	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
A 132	(b) Ophthalmia neonatorum	765	..	..	1	..	..	1	1	..	3	1	1	..	1	1	1	2	2	..	..	..	10	5	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	6	16
	(c) Other infections of Newborns	763 766–768	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A 133	Haemalytic disease of Newborn	770	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
A 134	All other defined diseases of early infancy ..	769, 771 772	1	1	..	..	1	1	..	1	1	..	..	..	..	..	1	..	..	..	..	1	4	4	1	2	..	1	3	..	2	2	1	..	1	3	4	..	2	1	3	1	2	3	..	..	23	17	40
A 135	Ill-defined diseases peculiar to early infancy and immaturity unqualified	773,776	20	28	9	4	6	6	9	2	3	2	3	2	3	..	5	..	4	6	1	..	63	50	2	7	1	6	4	3	2	2	3	..	1	1	3	..	..	2	2	..	3	..	2	3	86	74	160
AE 137	(c) All other ill-defined causes of morbidity	780–787, 788.1–788.7 788.9 789–792, 795	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1
AE 143	Accidents caused by fire and explosion of combustible material	E916	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	–	1
AE 147	All other accidental causes	E910, 911 E913–915 E921–922 E924–926 E930–965	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	–	1	1
	TOTAL INFANT DEATHS		32	39	18	7	11	8	11	4	10	5	6	4	5	4	15	7	9	7	6	3	124	88	16	19	12	20	26	19	10	11	17	6	15	17	14	10	14	16	14	8	9	6	7	9	277	229	506

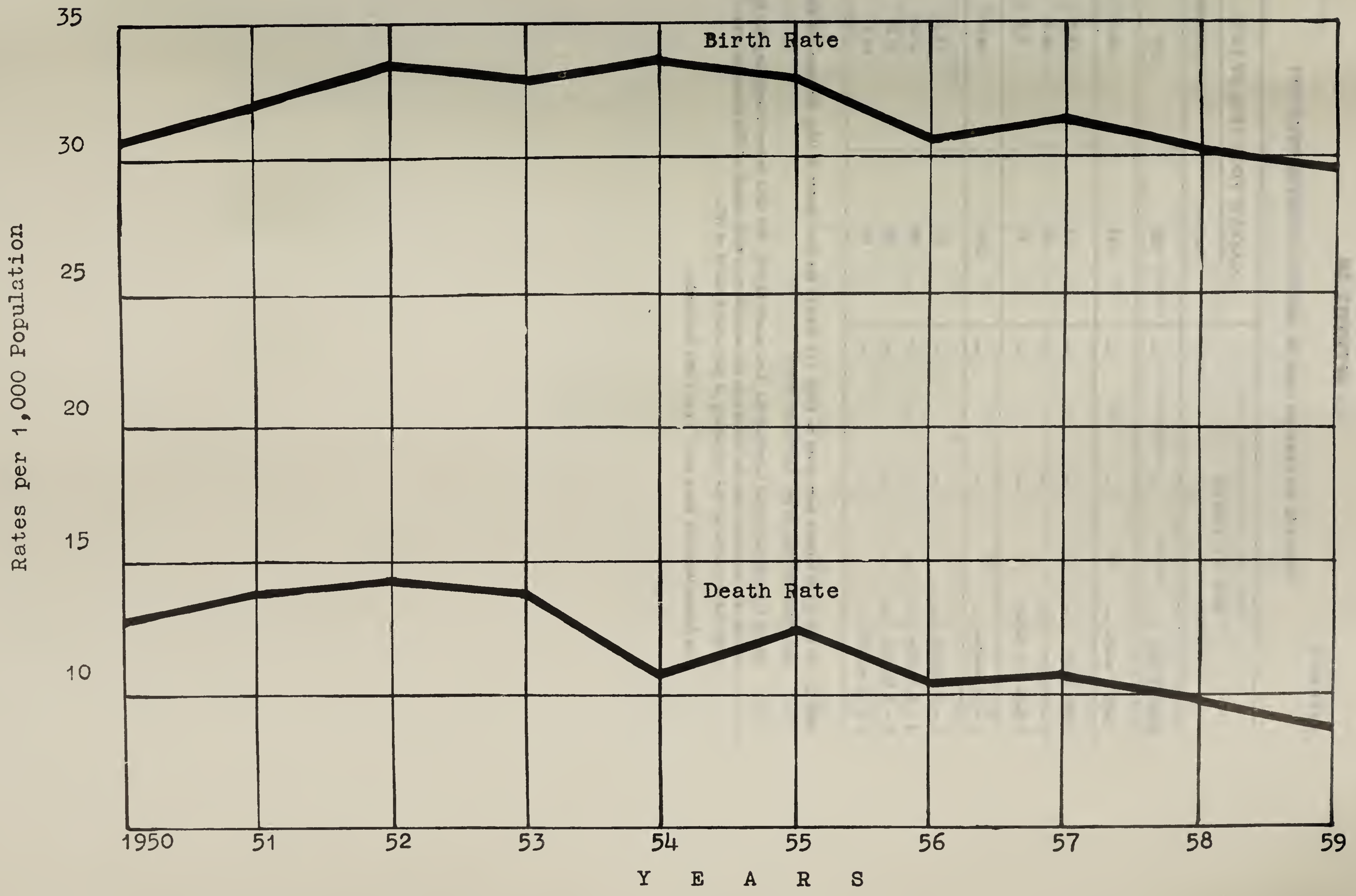
APPENDIX X

INFANT DEATHS ARRANGED IN PARISHES FOR THE YEAR 1959

CAUSE GROUPS	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St Joseph		St Andrew		All Parishes		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
Under 1 day	17	22	2	2	3	4	2	1	–	–	–	6	1	1	3	–	2	3	2	–	–	–	32	39	71
1 day – 6 days	22	12	7	4	9	1	6	2	1	2	2	3	4	1	2	1	3	1	2	4	3	1	61	32	93
7 days – 1 month	8	5	4	2	2	3	3	3	1	1	2	–	3	1	1	–	4	–	1	2	1	–	30	17	47
Total under 1 month ...	47	39	13	8	14	8	11	6	2	3	4	9	8	3	6	1	9	4	5	6	4	1	123	88	211
1 month – 2 months	8	12	1	3	3	2	1	–	1	4	3	5	4	3	2	4	1	–	1	1	3	5	28	39	67
3 months – 5 months	15	11	8	4	4	5	2	2	3	2	4	2	2	2	4	3	3	3	5	2	3	–	53	36	89
6 months – 8 months	12	14	4	6	6	4	3	1	2	3	2	–	5	3	4	3	2	2	1	4	2	3	43	43	86
9 months – 11 months	9	9	4	1	5	–	2	3	1	2	1	3	1	–	1	1	2	2	3	–	1	1	30	23	53
Total under 1 year ...	91	85	30	22	32	19	19	12	9	14	14	19	20	11	17	12	17	11	15	13	13	10	277	229	506

APPENDIX XI

BIRTH AND DEATH RATES PER 1,000 OF THE POPULATION FOR PERIOD 1950-59



APPENDIX XII

BARBADOS.

INFANTS DEATHS BY AGE IN MONTHS – % DISTRIBUTION 1959

AGE AT DEATH	DEATHS IN FIRST YEAR OF LIFE	
	Number	% Distribution
Under 1 year	506	100
Under 1 month	211	41.7
Under 1 day	71	14.0
1 – 6 days	93	18.4
7 days to 1 month	47	9.3
1 – 11 months	295	58.3
1 – 2 months	67	13.3
3 – 5 months	89	17.6
6 – 8 Months	86	17.0
9 – 11 months	53	10.4

NOTE: Of the 7,110 infants born alive in 1959, 211 died in the first month of life; the neonatal mortality rate therefore was 30 per 1,000 live births.

Of the 6,899 infants that survived the first month of life, 295 died before completing the first year of life; the mortality rate for infants in the second to twelfth month of life therefore was 43 per 1,000 infants alive at the beginning of the second month of life.

The Infant Mortality Rate was 71 per 1,000 livebirths.

APPENDIX XIII

BARBADOS.

INFANT DEATHS BY AGE IN MONTHS FOR THE YEAR 1959

AGE AT DEATH	DEATH IN FIRST YEAR OF LIFE			
	URBAN		RURAL	
	Number	% Distribution	Number	% Distribution
Under 1 year	176	100	330	100
Under 1 month	86	48.8	125	37.9
Under 1 day	39	22.1	32	9.7
1 – 6 days	34	19.3	59	17.9
7 days to 1 month	13	7.4	34	10.3
1 – 11 months	90	51.2	205	62.1
1 – 2 months	20	11.4	47	14.2
3 – 5 months	26	14.8	63	19.1
6 – 8 months	26	14.8	60	18.2
9 – 11 months	18	10.2	35	10.6

APPENDIX XIV

BARBADOS.

CAUSES OF DEATH IN THE FIRST YEAR OF LIFE
NUMBER OF DEATHS; % DISTRIBUTION FOR THE YEAR, 1959

CAUSE OF DEATH	Deaths in First Year of Life	
	Number	% Distribution
All Causes	506	100
Pre-natal and natal causes	249	49.0
Premature birth	110	21.5
Congenital malformations	12	2.4
Injury at birth	20	3.9
Congenital debility	48	9.5
Other diseases peculiar to first year of life	50	10.0
Syphilis	1	0.2
Tetanus	8	1.5
Respiratory diseases	85 *(a)*	16.8
Gastro-intestinal Diseases	71 *(b)*	14.0
Epidemic and other communicable diseases	3	0.6
Malnutrition	34	6.7
All other specified causes	60	11.9
Ill-defined and unknown causes	4	1.0

(a) Pneumonia and other Respiratory diseases.

(b) Chiefly Gastro-enteritis.

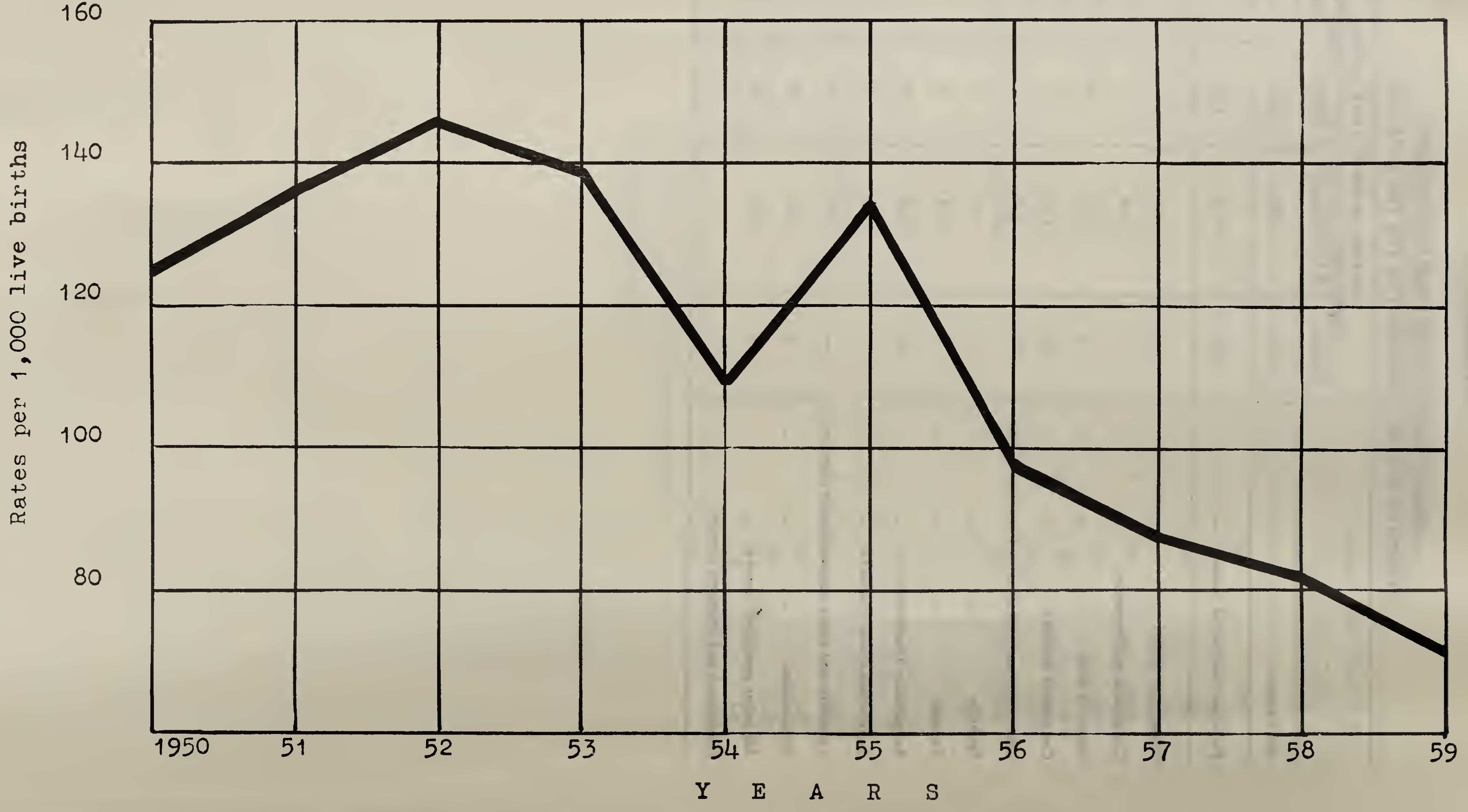
APPENDIX XV

CAUSES OF DEATH IN THE FIRST YEAR OF LIFE
NUMBER OF DEATHS; % DISTRIBUTION FOR THE YEAR 1959

	DEATHS IN FIRST YEAR OF LIFE			
	URBAN		RURAL	
	Number	% Distribution	Number	% Distribution
All Causes	176	100	330	100
Pre-natal and natal causes	105	59.7	144	43.6
Premature birth	53	30.1	57	17.3
Congenital malformation	7	4.0	5	1.5
Injury at birth	4	2.3	16	4.8
Congenital debility	22	12.5	26	7.9
Other diseases peculiar to first year of life	17	9.7	33	10.0
Syphilis	–	–	1	0.3
Tetanus	2	1.1	6	1.8
Respiratory Diseases	27	15.3	58	17.6
Gastro-intestinal diseases	22	12.5	49	14.8
Epidemic and other communicable diseases	–	–	3	0.9
Malnutrition	4	2.3	30	9.1
All other specified causes	18	10.2	42	12.7
Ill-defined and unknown causes	–	–	4	1.3

APPENDIX XVI

INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS 1950-59



BARBADOS.

APPENDIX XVII

Tuberculosis: *Deaths and Death Rate per 100,000 Population*

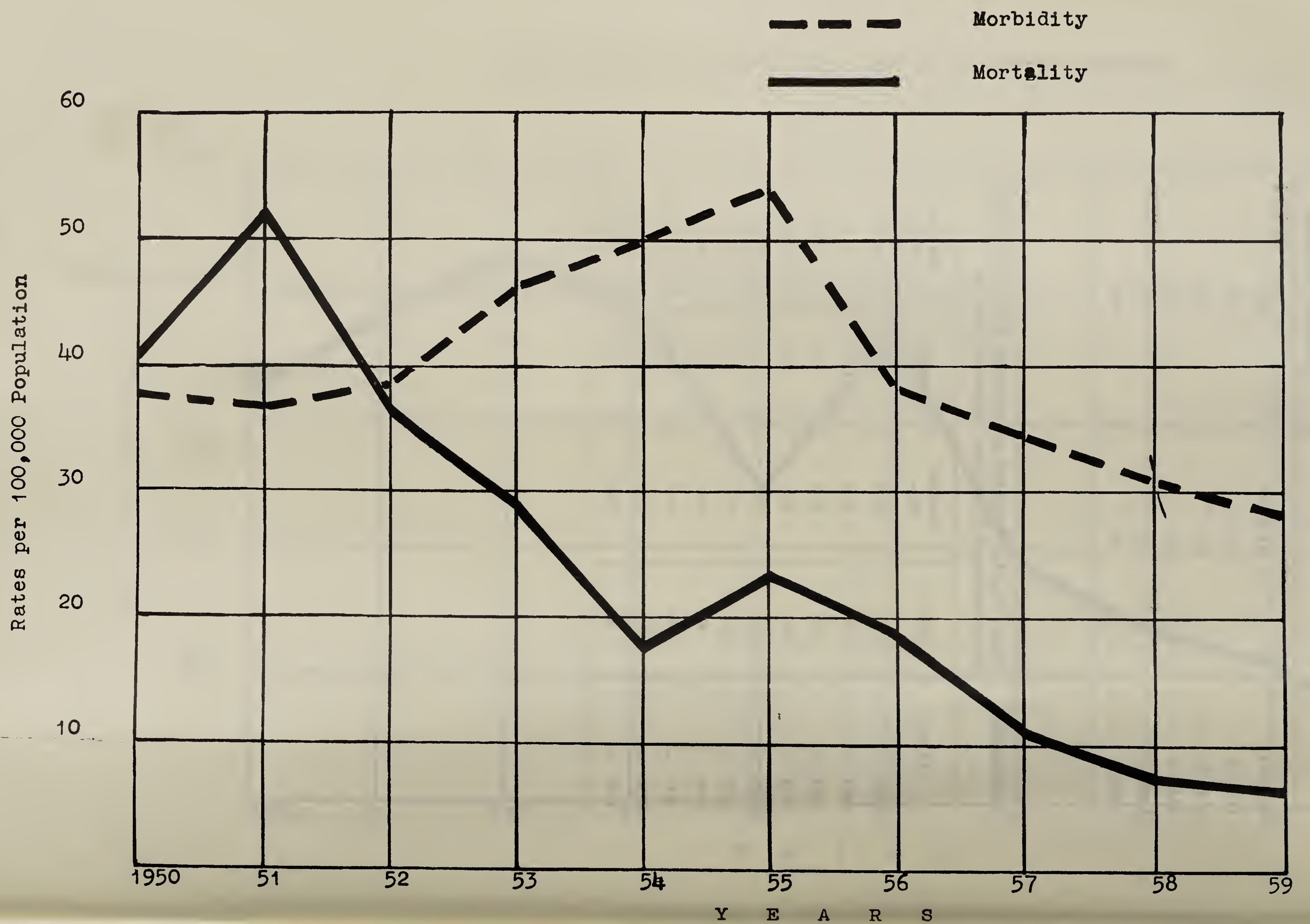
YEARS	No. of Deaths	Death Rate per 100,000 Population (estimated)
1930–34	111 (mean)	62.6
1935–39	115 "	60.3
1940–44	122 "	60.7
1945–49	116 "	55.9
1950–54	76 "	35.9
1955–59	31 "	13.2

Tuberculosis: *Cases, Deaths, Morbidity and Mortality Rates per 100,000 of the estimated Population for period 1950–59*

YEAR	Cases	Morbidity Rate	Deaths	Mortality Rate
1950	78	37.3	85	40.6
1951	77	36.1	110	51.5
1952	83	38.2	78	35.9
1953	101	45.7	64	29.0
1954	111	49.5	41	18.2
1955	123	53.7	53	23.1
1956	88	38.3	43	18.7
1957	79	34.2	25	10.8
1958	72	30.7	18	7.7
1959	68	28.2	16	6.6

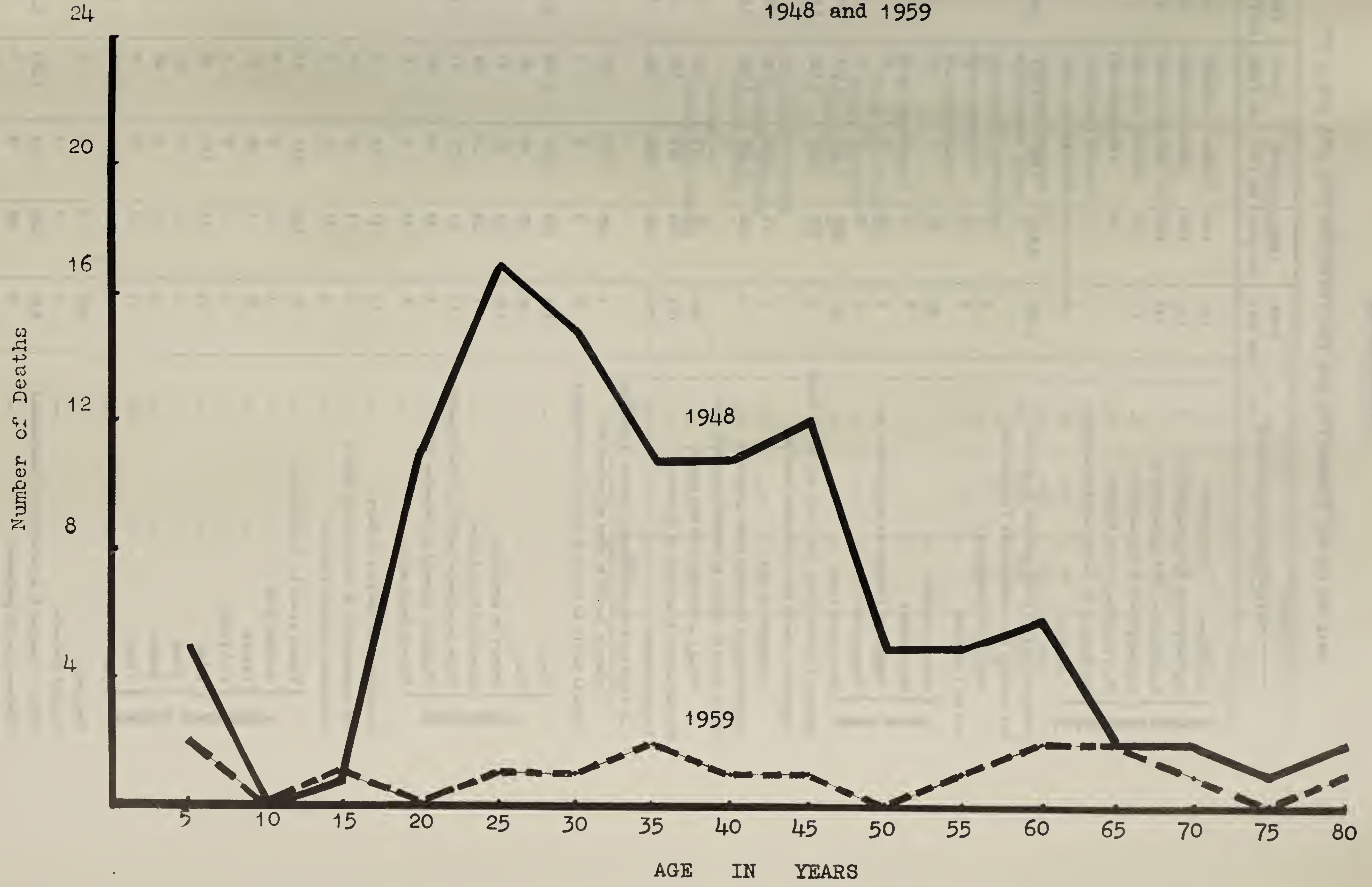
APPENDIX XVIII

TUBERCULOSIS MORBIDITY AND MORTALITY RATES PER 100,000 ESTIMATED POPULATION FOR PERIOD 1950-59



APPENDIX XIX

DEATHS FROM TUBERCULOSIS IN AGE GROUPS
1948 and 1959



APPENDIX XX

ANALYSIS OF ALL EXAMINATION FOR THE YEARS 1934, 1950, 1957, 1958 & 1959

	NATURE OF EXAMINATION	Total for 1934	Total for 1950	Total for 1957	Total for 1958	Total for 1959
Agglutination Reaction	B.typhosus (S. typhosa)	115	149	200	215	140
	B.paratyphosus A.(S.paratyphi A)	115	149	200	215	140
	B. paratyphosus B.(S.paratyphi B)	115	149	200	215	140
	B.paratyphosus C.(S.paratyphi C) ...	17	0	0	0	0
	Sh.dysenteriae. (Sh. Flexner) ...	1	0	0	0	0
	Br. abortus, Br. melitensis & heterophile reactions	0	4	4	3	15
	Serological & C–S Fluid reaction for syphilis	1,146	6,814	7,849	5,555	5,015
	Skin reaction for Lymphopathia Venereum and smear for leishmaniasis ...	0	7	0	2	1
	Sera for T.pallidum	5	9	1	0	2
Blood Smears	Malaria parasites	26	17	7	19	23
	Microfilariae	7	3	1	0	0
	Anaplasma, Piroplasma and Eimeria, etc.	2	0	0	0	0
	Trypanosomes	1	0	0	0	0
	Blood counts etc.	62	800	7,205	9,253	9,550
	Glucose, Calcium, Urea, Uric acid, etc, in the blood	0	172	2,008	3,433	3,652
	Coagulation time of blood, bleeding time and sedimentation rate	0	72	1,042	636	1,502.
	Compatibility of bloods & blood groupings ...	4	296	3,445	3,988	3,691
	Occult blood in faeces & stomach contents, free H.C.L. in stomach and test meals ...	116	95	55	113	221
	Helminthic ova & amoebae of dysentery ...	173	214	104	149	239
	Tissue sections	39	190	306	324	333
	C–S Fluid for Cellular content, excess of globulin, tubercle bacilli & other organisms etc	1	389	572	676	910
	Tubercle bacilli in faeces & calf's liver scrapings	0	5	0	0	0
Miscellaneous	Sputa	230	359	1,542	1,404	1,366
	Pus	30	47	46	49	29
	Smears for gonococci ...	130	201	87	55	74
	Smears for Myco. leprae ...	27	125	11	18	20
	Urine for tubercle bacilli or other organisms	22	81	75	71	114
	Pleuritic, synovial or abdominal fluid...	4	24	40	20	42
	Nose & throat smears ...	8	13	2	9	2
	Bacteriological Analysis of Water ...	11	17	84	4	0
	Milk examinations & aerated sweet drinks ...	2	1	2	0	0
	Autogenous vaccines prepared ...	4	51	9	3	4
Cultural Examinations	Throad swabs for C.diphtheriae ...	37	242	151	81	47
	Synovial fluid	1	0	0	0	0
	Faeces	20	5	50	76	57
	C–S Fluid	1	3	8	5	13
	Urine	11	15	155	96	52
	Blood	1	3	17	10	10
	Sputum	1	0	2	46	240
	Yeast	13	0	0	0	0
	Pus	0	27	654	672	913
	Rats, etc.	382	0	0	0	0
	Fungoid diseases	4	4	4	1	7
	Urine – Chemical & microscopical examinations	835	428	713	1,294	1,284
	Friedman test for pregnancy ...	0	80	4	9	6
	Medico-legal investigations... ...	82	36	89	61	78
		3,821	11,296	26,944	28,780	29,932

APPENDIX XXI

DIAGNOSIS OF PATIENTS AT MENTAL HOSPITAL

DIAGNOSIS	MALE		FEMALE	
	Total	%	Total	%
Epileptic Psychosis	12	4.00	9	1.95
Mental deficiency	36	12.00	27	5.86
Melancholia (Involutional)	–	–	9	1.95
Presenile dementia	5	1.67	8	1.74
Psychoneurosis	1	0.33	–	–
Parkinson's Disease	1	0.33	1	2.17
Senile and Arterio-Sclerotic dementia	10	3.33	40	8.69
Secondary dementia	14	4.67	12	2.61
Schizophrenic states	169	56.33	248	53.91
Psychopathic personality	3	1.0	2	.44
Manic depressive	16	5.33	55	11.96
Behaviour Disorder	–	–	–	–
TOXIC PSYCHOSIS				
Acute Toxic Psychosis	5	1.67	15	3.26
Chronic Alcoholism	6	2.0	4	.87
Malnutrition	–	–	–	–
ORGANIC PSYCHOSES				
Dementia Paralytica	10	3.33	14	3.04
Cerebral Syphilis	6	2.0	11	2.37
Tabo-paresis	2	0.67	–	–
Arterio-pathic dementia	4	1.33	5	1.09
	300		460	

APPENDIX XXII

ADMISSIONS UNDER CERTIFICATION

YEAR	No.	Total Admissions	Percentage
1951 ...	188	263	71.5
1952 ...	117	292	40.1
1953 ...	86	348	24.8
1954 ...	72	416	17.3
1955 ...	77	434	17.7
1956 ...	67	415	16.1
1957 ...	64	516	12.4
1958 ...	87	570	15.3
1959 ...	77	558	13.7

APPENDIX XXIII

PATIENTS ON OBSERVATION

YEAR	Remaining on 1st January, 1959			Admitted			Certified			Released Uncertified			Died			Remaining on 1st January, 1960			TOTAL		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1955 ...	1	–	1	8	5	13	3	2	5	6	3	9	–	–	–	–	–	–	9	5	14
1956 ...	–	–	–	8	5	13	1	3	4	6	2	8	–	–	–	1	–	1	8	5	13
1957 ...	1	–	1	19	8	27	3	4	7	14	4	18	–	–	–	3	–	3	20	8	28
1958 ...	3	–	3	27	10	37	2	2	4	27	8	35	–	–	–	1	–	1	30	10	40
1959 ...	1	–	1	30	13	43	2	3	5	27	12	39	–	–	–	–	–	–	31	13	44

APPENDIX XXIV

TABLE SHOWING AVERAGE POPULATION, TOTAL ADMISSIONS, DISCHARGES, DEATHS, ETC.

YEAR	Average Population	Total Admissions	Population	No. of Discharges	No. of Deaths	Average Percentage	Percentage
1947 ...	736	185	742	108	92	12.05	12.04
1948 ...	747	218	756	122	82	10.96	10.85
1949 ...	749	228	733	169	83	11.08	11.35
1950 ...	720	230	713	180	70	9.72	9.82
1951 ...	711	188	702	139	64	9.00	9.12
1952 ...	704	392	701	180	60	8.52	8.56
1953 ...	704	348	709	282	58	8.24	8.18
1954 ...	709	416	719	371	35	5.00	4.87
1955 ...	717	434	720	389	44	6.22	6.11
1956 ...	716	415	715	368	52	7.26	7.27
1957 ...	723	516	725	455	49	6.77	6.76
1958 ...	734	570	740	502	53	7.22	7.16
1959 ...	737	558	760	492	46	6.22	6.05

APPENDIX XXV

STATEMENT OF POPULATION

Year	Population at beginning of year			ADMISSIONS															Deaths			On Trial at end of year		
				Temporary			Voluntary			Certified			On Remand			TOTAL								
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1952 ..	286	416	702	55	93	148	11	16	27	47	37	84	29	17	46	142	163	305	26	34	60	17	6	23
1953 ..	281	420	701	62	134	196	21	29	50	50	36	86	12	4	16	145	203	348	21	37	58	28	29	57
1954 ..	281	428	709	109	150	299	44	32	76	45	27	72	4	5	9	202	214	416	16	19	35	20	36	56
1955 ..	298	421	719	99	162	261	40	43	83	38	39	77	8	5	13	185	249	434	28	16	44	26	44	70
1956 ..	292	428	720	104	172	276	35	24	59	34	33	67	8	5	13	181	234	415	25	27	52	28	29	57
1957 ..	286	492	715	133	224	357	35	33	68	44	20	64	19	8	27	231	285	516	22	27	49	48	71	119
1958 ..	285	440	725	126	229	355	39	52	91	55	32	87	27	10	37	247	323	570	20	33	53	48	54	102
1959 ..	292	448	740	100	240	340	44	54	98	51	26	77	30	13	43	231	327	558	15	31	46	35	52	87

Year	DISCHARGES																					Total Population at end of year			Difference
	Recovered			Much Improved			Improved			Not Improved			Ret'd from Trial			From Observation			TOTAL						
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1952 ..	33	34	67	27	39	66	14	32	46	1	0	1	–	–	–	27	16	43	102	121	223	281	420	701	1
1953 ..	18	59	77	46	34	80	9	17	26	–	–	–	11	16	27	12	3	15	96	129	225	281	428	709	8
1954 ..	51	63	114	40	54	94	32	27	59	2	2	4	19	14	33	5	6	11	149	166	315	298	421	719	10
1955 ..	46	82	128	38	47	85	15	26	41	6	3	9	23	19	42	9	5	14	137	182	319	292	428	720	1
1956 ..	23	48	71	36	47	83	38	43	81	5	7	12	25	27	52	7	5	12	134	177	311	286	429	715	5
1957 ..	32	59	91	54	45	99	25	28	53	4	3	7	30	33	63	17	8	25	162	176	338	285	440	725	10
1958 ..	52	71	123	42	63	105	19	37	56	6	10	16	24	37	61	29	10	39	172	228	400	292	448	740	15
1959 ..	51	64	115	39	60	199	25	30	55	4	6	10	32	50	82	31	13	44	182	223	405	295	465	760	20